of Leith Walk, whereby, cæteris paribus, manual labour gentlemen's and family gardens—in short, in all situahas at length been placed upon a par with horse power tions where it is inconvenient, inexpedient, or even when employed in field labour. The implement thus impossible to introduce horse labour. Mr. Sivewright devised by Mr. Sivew. 12th was originally a grubber of with the utmost liberality, has authorised us to state five that hoes, arranged triangularly in the ordinary man-that he is auxious only for the adoption of it, wherever ner, and in this state it was found to perform with the it may be found useful, and, in fact, makes a present of greatest facility all the labour usually effected by means the invention to the public; nay, in order to facilitate of the Detch hoe in cleaning the ground, stirring the this purpose, he will be happy to send round his garearth between rows and drills, extirpating weeds, and dener with any one desirous of witnessing the work working and pulverizing the soil to the depth of four which the implement has performed; and the implement inches; the flat hoes being so arranged, as, at each litself is on view at Mr. Slight's, where its advantages entrance, to work a breadth of 17 mehes, which, however, might, by means of a contracting and expanding at a single glance. - Scottish Agricultural Journal. transverse bar at the base of the triangle, be reduced to thirteen inches for going between drills. Mr. Sivewright found, that with this implement he could completely! prepare his garden ground at Gargilfield, extending great advantage which had been derived by farmers in two acres, for crops, in many instances, without resorting Scotland from the analyses of portable manures, upon to the use of any other means whatever; and that, too, which, he estimated, nearly one-half of the green crop with the greatest saving of labour, as it simply required of that country is dependent. The amount of guano, one man to draw it through the ground, and he could do for instance, imported in 1837, was upwards of 220,000 so with great rapidity. We ought to mention, however, tons. Great adulteration had been practised with that Mr. Sixweright's is a fine light sandy soil, in a guano; and bone-dust had been mixed with ground that Mr. Sixweright's is a fine light sandy soil. beautiful state of pulverization, and presenting less than oyster-shells. Various manufactured manures, of the usual obstruction to the working of machinery. But we constituents of which the farmer could not be acquaint-have no subt that in any garden soil whatever, very ed, were offered for sale. In illustration he related the little more, afficulty would be presented to the action of following: Some years ago I joined with two or three this particular hand machine. Being composed entirely farmers in the purchase of some tons of nitrate of soda. it to be very easily worked; and being, moreover, supported by a fore-wheel, as in some of Ransomes' celebrated ploughs, figured in this day's Journal, the shifting of this wheel regulates the doublete which the publish that of this wheel regulates the depth to which the hoes and tines may be entered in the soil; and once entered, they would undoubtedly cut and loosen the stiffest soil, pulled the ship. The adulteration was detected, and immediby a single labourer. The inventor having accomplished this object, was not satisfied, however, until he had suction to support the ship. The adultication was detected and minedation was detected, and sold this object, was not satisfied, however, until he had suction to support the ship. The adultication was detected, and minedation was ordered off to Scotland, and sold this object, was not satisfied, however, until he had sucthis object, was not satisfied, however, until he had succeeded in converting his hand-grubber, by the simple amongst the farmers. I once purchased a quantity of addition of double mould bourds (removing four of the hind times) into an effective deill-solved health for reising given an analysis of it, but the sample sent to han had hind tines). into an effective drill-plough, both for raising been very different from the stock. I found upon taking ridges and earthing or moulding up potatoes, turnips, delivery that all was not right. I then had a sample all and plants growing in drills. The fore-time being left from the stock analysed, and had no difficulty in procurattached to the machine as a cutter, the double moulding an abatement of 10 per cent, from difference of boards are joined on to the sides by a hinge passing in value. I cannot conceive how my agriculturist who front, and the earth thrown up is moulded gently down expends his hundreds a-year up on portable manures is upon the ridge by means of a comparatively trifling justified in applying them before being tested, and would upon the radge by means of a comparativery triming) justified in applying them before being acstea, and would weight hooked on to the back bar of the implement, at the centre. As the implement is drawn along the drill, the turned-up earth, therefore passes under the curves of the mould boards, and is beautifully, smoothly, but ightly pressed down upon the sides of the opposite drills, money, but upon the genuineness of which his green roop, and every succeeding crop in the rotation, is devenient choking up the lower leaves of the growing room at the curve and the radie of the nature and passed to the providence of the nature and roomleng to the root of the nature and roomleng to the root of the nature and roomleng to the root of the root of the root of the nature and root of the root of without choking up the lower leaves of the growing plant, as is too frequently the case with the drill plough. The weight at first attached to the implement, in order to mould down the earth upon the drills, had been twenty—and extensive processes incident to his daily occupation one pounds; but this was found to be unnecessarily must be a matter of mere chance—thus contributing large, and to offer considerable impediment to the labour; more than any thing else to the precariousness of the though still, a good workman could effect a great deal in profits mon which his prosperity depends. I may be a light soil, even with this. A weight of seven pounds, told this reactionary depends. I may be however, has been found by Mr. Sivewright perfectly adequate; and we never say better or more systematically formed drills than he has thrown up in a half-acre plot of potatoes by means of this implement. The saving of labour is such, that a piece of garden ground, which a of a crop is the consequence, is not the landlord's rent man was formerly five days in hoeing, has been worked by one man, with the machine, in one day. For instance, portable manures, now so important an element in good the half-acre plot in question could be earthed up at the farming, and for which I would say a chemist's say ices rate of ordinary labour of which this machine admits, in six hours, an able-bodied labourer, or indeed a lad, could therefore accomplish, single-handed, a whole acre in a day of twelve hours. The simplicity of construction. and necessary cheapness of these machines (for we have no doubt Mr. Slight could turn them out at a most real now used in the world. Of these 937 are Asiatic, 587 sonable price), commend them very strengly to market- | European, 276 African, and 1,624 American, languages gardeners, cottagers, small farmers, nursery grounds, and dialects.

we are sure, may be ascertained by any practical person

ANALYSES OF MANURES.—At a late meeting of the Highland Agricultural Society. Mr. Finne spoke of the I heard of a cargo shipped to a party in London; a chemist was ordered to examine it before taking it from and extensive processes incident to his daily occupation told tins is a tenant's question, and let him look after his own interest and he will fare the better; but I hold whatever is necessary for the tenant cannot be dispensed with by the landlord; and if from not having a ready and cheap way of having his manures analysed, the loss endangered? But I would respectfully submit that these farming, and for which I would say a chemist's services are required, leaving every other consideration, have done much already for the proprietors of land."