Shale from WESTFIELD, Rutherglen, 24½ gals., atory tests have yielded 78 lbs. of Ammonia to the sp. gr. 361, Sulphate of Ammonia, 10 lbs. The lation. A weather beaten shale yielded on analyses gravity higher than the present retort, and corresponding roughly to that of the old vertical retort.

RAEBURN shale. In the Boxburn field in a basin to the east of Uphall. This seam has a thickness of 4 feet and yields 541/2 gals. per tons, specific gravity .887, Sulphate of Ammonia 7 lbs. (lab. tube.)

inches 11 galls., Sulphate of Ammonia, 9 lbs.

FELLS SHALE. This shale yields from 26 to 40 gals. of crude oil and 20 to 35 lbs. of Sulphate of Ammonia per ton, with retort of Young and Bulby.

being 0.720 per unit.

place it is as low as 20 gals. at another as high as 33 gals. The Sulphate of Ammonia runs from 24 to 36 lbs. and in some cases reaches 41 lbs

The lower big shale at Oakbank, 6 feet thick,

yields 29.34 gals, to the ton.

The CURLY seam at Broxburn, about 5 feet thick lies above the Broxburn seam. The following sections may be taken as guides to the yields-Section, say, No. 1-Top, 2 ft. b, 18.57 galls. oil, 19.17

4.10, 23.65 gals. oil, 18.21 lbs. Alamonia, (lab. tube.) government spent a little less than forty dollars in

Ammonia, (lab. tube.) Bottom-1.16, 20.12 gals. broke and worn out with their huge endeavor. oil, 14.91 lbs. Ammonia, (lab. tube.) Average, 4.6, 26.21 gals. oil, 16.17 lbs. Ammonia, (lab. tube.

Section No. 3, Top-2.7, 32.67 gals. oil, 19.41 lbs. Ammonia, (lab. tube.) Bottom-2.5, 31.26 gals. oil. 19.73 lbs. Ammonia, (lab. tube.) Average-5.0, 32.00 gals. oil, 19.56 lbs. Ammonia, (lab. tube.)

erude oil and 40 lbs. Sulphate of Ammonia."

those obtained at the plants, and not merely labora- a borgain is made between the employees, through tory analyses. We wish our correspondent had their unions, and employers there should be means given the yields as obtained by laboratory test and of compelling the urions to implement the agreethe actual retort yield Nova Scotia shales have ment, as readily as the employers can be forced to never, so far as we are aware, had a retort test. Our do so. The Record is pleased to believe that its never, so far as we are awareness and opinion in this regard is gradually obtaining sup-real practical knowledge of oil bearing coals and opinion in this regard is gradually obtaining sup-shales does not extend much further than the fact port in certain influential quarters. The following shales does not extend much further than the fact port in certain influential quarters. The following that when stellarite was exported, sixty years or so extracts from a series of articles, bearing on the ago, the yield of oil was greater than from any responsibility of labor, we quote in support of this other coal or shale on the continent. So far as our belief :knowledge goes there never was a test made to discover whether the stellarite contained any sulphate ganized employees "get together," it frequently of Ammonia. The presumption is that it does not, happens that arrangements entered into are set owing to its wonderful oil content.

seams are of small height. In Nova Scotia there are trades union on the other. Such contracts define seams as high as thirty feet and deposits-for it what shall be the working conditions, wage scale, would be hazardous to say they were seams of fifty etc., for a specified period of time. These contracts feet, and even upwards. The laboratory tests for oil are entered into as being mutually advantageous. in our shales, even after making allowance for the Theoretically they are so; actually, as demonstrated higher yield from the source of testing, show that time and again in practice, they operate solely to our shales are equal to those of Scotland, if not the advantage of the employees concerned. The superior,-which some maintain they are. Labor- reason for this is that the trades union, while ready

boratory tube experiments give an oil with specific nigh 40 lbs, of Ammonia with an oil yield of over thirty three.

It strikes one as peculiar that the Nova Scotia Mines Department has never taken a lively interest, or in fact any interest, in determining the value of our shales. It has not, as yet, entered the heads of the Department that their interest might extend be-At Ne biggen, near Broxburn, about 4 feet of this youd the readiness to accept thirty dollars from any seam contains 28 gallons, and the overlying eleven one desirous of securing a right of search. The defence of the Department may be that up till within a short period the shales belonged to the proprietors of the land. But should not the government take an active hand in attempts to develop the re-OAKBANK new shale yields 35.59 gals. of crude sources of the province? 'What are they there oil at Oakbank and Oakbank big shale, 4 feet thick, for,'' but for that very purpose? If the shale did gives 22.32 gals, per ton. The nitrogen content belong to the landlords, why did the government not spur them up? What would be the good of the BROXBURN GREY SHALE. At Broxburn the Agricultural College did not mining give employshale yields from 24 to 26 gals. per ton. In one ment to a very large part of the population? In what position were the farmers of this province before the mining of coal assumed large proportions? The best assistance the farmers ever had was that given them by the mining industry. Without mining the province would be in a pitiable condition. The government should realize that the country cannot prosper, as it should, without the expansion of the mining industry, for Nova Scotia is not a farming country, as are the provinces to the West. The govbles. Ammonia (lab tube). Bottom—2.2, 28.56 gals., ernment may say: "We have taken an interest in oil, 17.04 lbs. Ammonia, (lab. tube). Average—the shale business." So they did. As stated the Section No. 2-Top, 2.8, 30.04 gals. oil, 17.04 lbs. obtaining samples, and then they stopped dead

LABOR'S RESPONSIBILITY

The Mining Record has for long maintained, and The Dunnet seam at Broxburn yields 18 to 20 gals. given frequent expression to the opinion, that Labor Unions should be forced to become incorporated by The probability is that the yields given of oil are statutes as in the case of industrial business. When

Under this system by which employers and orforth in contractual form, the employer, whether a It will be noticed that several of the Scottish oil corporation or an individual, on one side, and the