





size is made. 4. What is the candle power of a petroleum burner with one flat 21/2 inch wick and with more than one wick? A. Such a wick may give 30 candles. A lamp with two wicks is generally used, the wick set obliquely to the line of collimation. More than two wicks are not advised, since the consumption is less perfect, the light less white, and the odor very much stronger. 5. Would it not be advantageous to use more than one lamp, and should they be placed one behind the other, or abreast? A. No; but if used, place them one behind the other.

mail. 3. What is the candle power of a Welsbach burner, and can one get stronger ones than the ones or-

dinarily used? A. We should estimate the light to be

from 25 to 40 candles. We do not know that any

(7524) W. T. B. asks: 1. Would it be practical to attempt to convert the small hand dynamo described in SUPPLEMENT, No. 161, to a plating machine? A. We do not advise the winding of handpower dynamo for plating. Its output would be about the same as that of a plating battery, while it is not possible to drive it by hand for the time necessary for plating. 2. Has there ever been an article written in your paper on the con struction of a plating machine? A. SUPPLEMENT, No. 793, rrice 10 cents, contains the necessary changes to adapt the 8 light dynamo for plating. 3. Is there any method of removing finger spots on Russia sheet iron pipe? A. Rub the spots with alcohol on a rag to clear the grease, and then rub with dry stove polish or graphite.

be threaded by a boy using only one hand on a crank. IF Send for illustrated catalogue CURTIS & CURTIS. No. 30 Hand Machine. Range ¼ to 2" R. & L. 6 Garden St., Bridgeport, Conn. ROCK DRILLS AIR COMPRESSORS SIMPLEST, MOST EFFICIENT and DURABLE. RAND DRILL CO. Send for Catalogue 100 Broadway, New York. THE HARRINGTON & KING PERFORATING CO

PATENT DIE STOCKS.

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HOW TO MAKE AN ELECTRICAL Furnace for Amateur's Use.—The utilization of 10 voit electric circuits for small furnace work. By N. Monroe Hopkins. This valuable article is accompanied by de-tailed working drawings on a large scale, and the fur-nace can be m-de by any amateur who is versed in the use of tools. This article is contained in SCIENTIFIC AMERICAN SUPPLEMENT, No. 1182. Price 10 cents. For sale by MUNN & CO, 'Al Broadway, New York City, or by any bookseller or newsdealer.

