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References to former articles or answers should give date of paper and page or number of question.

Inquiries not answered in reasonable time should be repeated: correspondents will bear in mind that some answers require not a little research, and, though we endeavor to reply to all either by letter or in this department, each must take his turn.

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(7818) E. A. writes: I have an experimental science book on electricity bought from you and would like to know if you could give me a few explanations about caustic potash batteries, page 408, Fig. 404, illustrated. I would like to know if possible the proportion for making this battery, how much zinc, oxide of copper and potash solution. Is it good for sparking purpose? A. The zinc may be of any size you find convenient. The potash solution is to be saturated, that is, dissolve all the caustic potash in the water which you can, at ordinary temperature. The copper oxide may be put on the bottom of the cell to the depth of an inch or so. Proportions are not important, else they would have been given in the book. You would better buy the Edison-Lalande cell, which is an improved form of this cell. It is widely used for sparking purposes.

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INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending

JANUARY 23, 1900,

AND EACH BEARING THAT DATE.

[See note at end of list about copies of these patents.]

Adjustable bracket. T. Smith..... 641,748
Adjustable cutter, A. A. Glaser..... 641,855
Advertising device. car. W. Keys..... 641,702
Advertising refrigerator, Young & Thompson..... 641,917
Aermotor, multiple. S. Otis..... 641,793
Air compressor, hydraulic. L. E. Mitchell..... 641,981
Alarm. See Burglar alarm.
Amalgamator, H. M. Thompson..... 641,808
Antiseptic apparatus. J. A. Merritt..... 641,715
Auger, earth, J. Herfert..... 641,960
Axle for automobile vehicles, combined driving and steering. J. H. Bullard..... 641,844
Axle lubricator, dust guard, and wiper, car, J. S. Patten..... 641,723
Back pedaling brake, A. P. Morrow..... 641,983
Bag. See Letter carrier's bag.
Bailer or pump, E. B. Shaw..... 642,012
Balance, spring, R. H. Forschner..... 641,686
Ball coupling, reversible. C. N. Hunter..... 641,700
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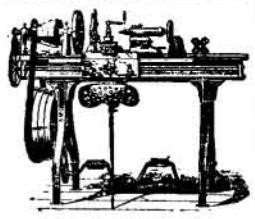

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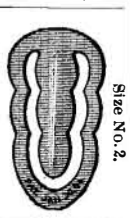

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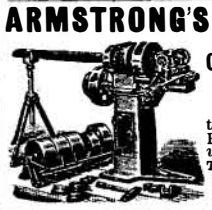

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Box. See Cigar box. Miter box.
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(Continued on page 78)

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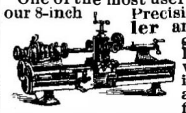

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