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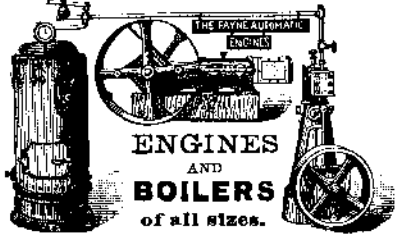
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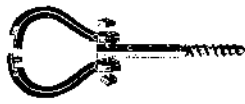
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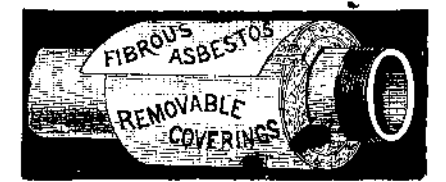
JENKINS BROS., SOLE AGENTS, 71 JOHN ST., NEW YORK. 13 SO. FOURTH ST., PHILA. 79 KILBY ST., BOSTON.

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SPECIAL FELT FOR ICE HOUSES. Fireproof Non-conducting Coverings for Steam Pipes, Boilers, and all hot surfaces. Made in sections three feet long. Easy to apply. Asbestos Materials—Fiber, Millboard Packing, and Cement. CHALMERS-SPENCE CO. 418-421 Eighth St., New York.

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This widely circulated and splendidly illustrated paper is published weekly. Every number contains sixteen pages of useful information and a large number of original engravings of new inventions and discoveries, representing Engineering Works, Steam Machinery, New Inventions, Novelties in Mechanics, Manufactures, Chemistry, Electricity, Telegraphy, Photography, Architecture, Agriculture, Horticulture, Natural History, etc.

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This is a distinct paper from the SCIENTIFIC AMERICAN, but it is uniform in size with it, every number containing 16 octavo pages. The SCIENTIFIC AMERICAN SUPPLEMENT embraces a very wide range of contents, covering the most recent and valuable contributions in Science, Mechanics, Architecture, and Engineering from every part of the world.

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Medical Batteries, Inventors' Models, Experimental Work, and fine brass castings. Send for catalogue C. E. JONES & BROS., Cincinnati, O.

Van Duzen's Pat. Loose Pulley Oiler HAS Highest Indorsements, Enviably Reputation, Scientific Pedigree. A two years' test by conservative manufacturers of national reputation has shown it to be the only perfect Lubricator for Loose Pulleys in use.

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Information for Users of Steam Pumps. Van Duzen's Patent Steam Pump (No Packing or Oil). Requires No Repairs or Skill. Reliability No Care or Attendance. Can pump any kind of liquid; ever ready; no moving parts; all brass; cannot clog nor get out of order; fully tested; hundreds in daily use; every pump guaranteed; not like cheap Pumps made of iron; all sizes to 6 inch discharge; prices from \$7 up; and; capacities from 100 to 20,000 gallons per hour. State for what purpose wanted and send for Catalogue of "Pumps."

and Ventilating Machines. Jannans Patent. YORK MFG. CO., York, Pa.

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This Company owns the Letters Patent granted to Alexander Graham Bell, March 7th, 1876, No. 174,465, and January 30th, 1877, No. 186,787.

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SEBASTIAN, MAY & CO.'S. IMPROVED \$60 Screw Cutting Lathe. Designed for actual work; no toy lathes for wood or metal. Drill Presses, Chucks, Drills, Dags, and machinists' and amateurs' outfits. Lathes on trial. Catalogues mailed on application. 165 West 2d Street, Cincinnati, Ohio.

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Information for Users of Steam Pumps. Van Duzen's Patent Steam Pump (No Packing or Oil). Requires No Repairs or Skill. Reliability No Care or Attendance. Can pump any kind of liquid; ever ready; no moving parts; all brass; cannot clog nor get out of order; fully tested; hundreds in daily use; every pump guaranteed; not like cheap Pumps made of iron; all sizes to 6 inch discharge; prices from \$7 up; and; capacities from 100 to 20,000 gallons per hour. State for what purpose wanted and send for Catalogue of "Pumps."

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