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A SIMPLEX AUTOMATIC CUT-OFF ENGINE.

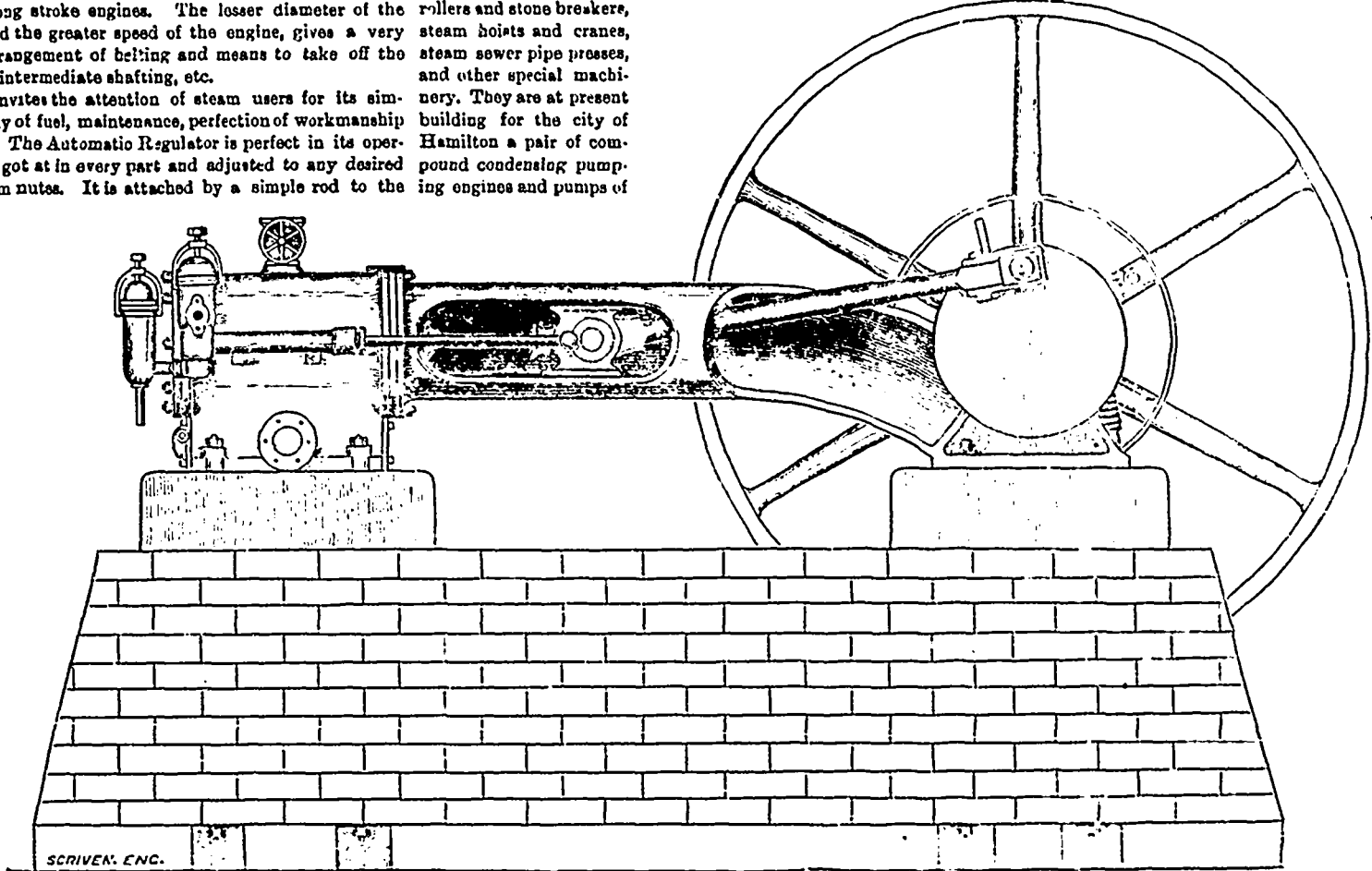
THE accompanying engraving illustrates the leading engine manufactured by the Osborne-Killey, Mfg. Co., of Hamilton, Ont. The advantages claimed for it are extreme simplicity, there being no part of the engine that requires frequent adjustment. The manufacturers claim that the cost is smaller for equal power derived from the fuel burned than that of any other engine running automatically. The engine takes up less space and does not require expensive foundations; the form of engine is such that it is perfectly rigid under every variation of load. This is not the case with long stroke engines. The lesser diameter of the hand wheel, and the greater speed of the engine, gives a very much better arrangement of belting and means to take off the power without intermediate shafting, etc.

This engine invites the attention of steam users for its simplicity, economy of fuel, maintenance, perfection of workmanship and materials. The Automatic Regulator is perfect in its operations; can be got at in every part and adjusted to any desired speed in a few minutes. It is attached by a simple rod to the

rod. To prevent all wear of valves semi-balance valves are used, while the positive cut-off gear enables the engine to run at any speed desired. Another important advantage to be found in this class of engine is the solid forged connecting rods and shafts, and the principle of strict duplication of parts by special machinery, a feature which has just begun to be appreciated by steam users as it should be.

In addition to the manufacture of the engine briefly described above, this firm also manufacture steam fire engines, especially designed for towns and villages; portable engines, steam road rollers and stone breakers, steam hoists and cranes, steam sewer pipe presses, and other special machinery. They are at present building for the city of Hamilton a pair of compound condensing pumping engines and pumps of

of Florida and Louisiana, in the great white-pine forests of northern Minnesota, in the red-wood forests of the California coast range, in the vast fir forests of Oregon and Washington, and in all the Rocky Mountain region from New Mexico to Montana, organized and systematic plunder has for years been practised upon the people of this country. Powerful corporations backed by unlimited capital and immense personal and political influence, wealthy mill owners, rich lumber companies, and unscrupulous individuals have long been banded together to rob the people of their property.



A SIMPLEX AUTOMATIC CUT-OFF ENGINE.

valve spindle, and adjust the cut-off to the power required in a range varying from 8 strokes to zero. It acts with great promptness; no perceptible variation taking place in the engine under every variety of load. The cut of valve runs nearly in perfect balance, the governor having complete command of it.

The wide reputation of the manufacturers of this engine, for furnishing only the best of work and materials, render it almost unnecessary to say a word upon this subject, they having sent their engines into all at every corner of the Dominion, but attention might be called to the following important points: best Babbit, main journal liners, and gun metal connecting rod boxes; steel crank and cross-head pins; steel piston and valve

ten million gallons capacity per day. Full information regarding any of these machines will be furnished by the manufacturers.

STOLEN TREES.

A CONSIDERABLE portion of the last annual report of the Commissioner of the General Land Office is devoted to a description of the methods employed by unscrupulous men to rob the people of this country of their forest possessions. Long practice, often encouraged by official speculation, has reduced the stealing of Government timber to a fine art. It has been going on practically unchecked for years. Wherever trees have grown upon the public domain, among the turpentine producing pines

The officers of the General Land Office have certainly not failed during the last year in honest endeavor, at least, to check the numerous frauds which have gradually become a necessary feature in the administration of the public domain. Not less than twelve hundred and nineteen cases of depredation or timber trespass have been reported during the year, involving forest products valued at nearly nine millions and a half of dollars stolen from the people of the United States. Only two hundred thousand dollars, nevertheless, have been recovered by the Government on this account, while the public plunderers have been able to escape with over nine millions worth of timber and other forest products; a sum one-third greater than the gross value of the annual product