

“Arriving Too Late”

This picture is a familiar one to many dwellers in the suburbs or in country towns more or less remote from a public water supply. In such places the only protection against fire is that afforded by the local fire company, composed of neighbors, who man the hook-and-ladder truck, hose-reel and hand-pump. Their principal service consists, of course, in trying to protect adjoining buildings—very rarely do they arrive in time to save any part of the structure where the fire started, as the volume of water which they are able to deliver is sufficient for an incipient conflagration only.

It is precisely such conditions that the

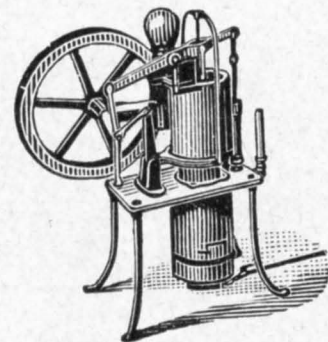
Hot-Air Pump

rectifies. The private water supply which it furnishes is sufficient to protect property anywhere, and is a perfect safeguard where altitude renders the public water supply insufficient or lacking in the necessary force. **The feeling of security** which a **Hot-Air Pump** insures to its owner will alone repay him many times its cost.

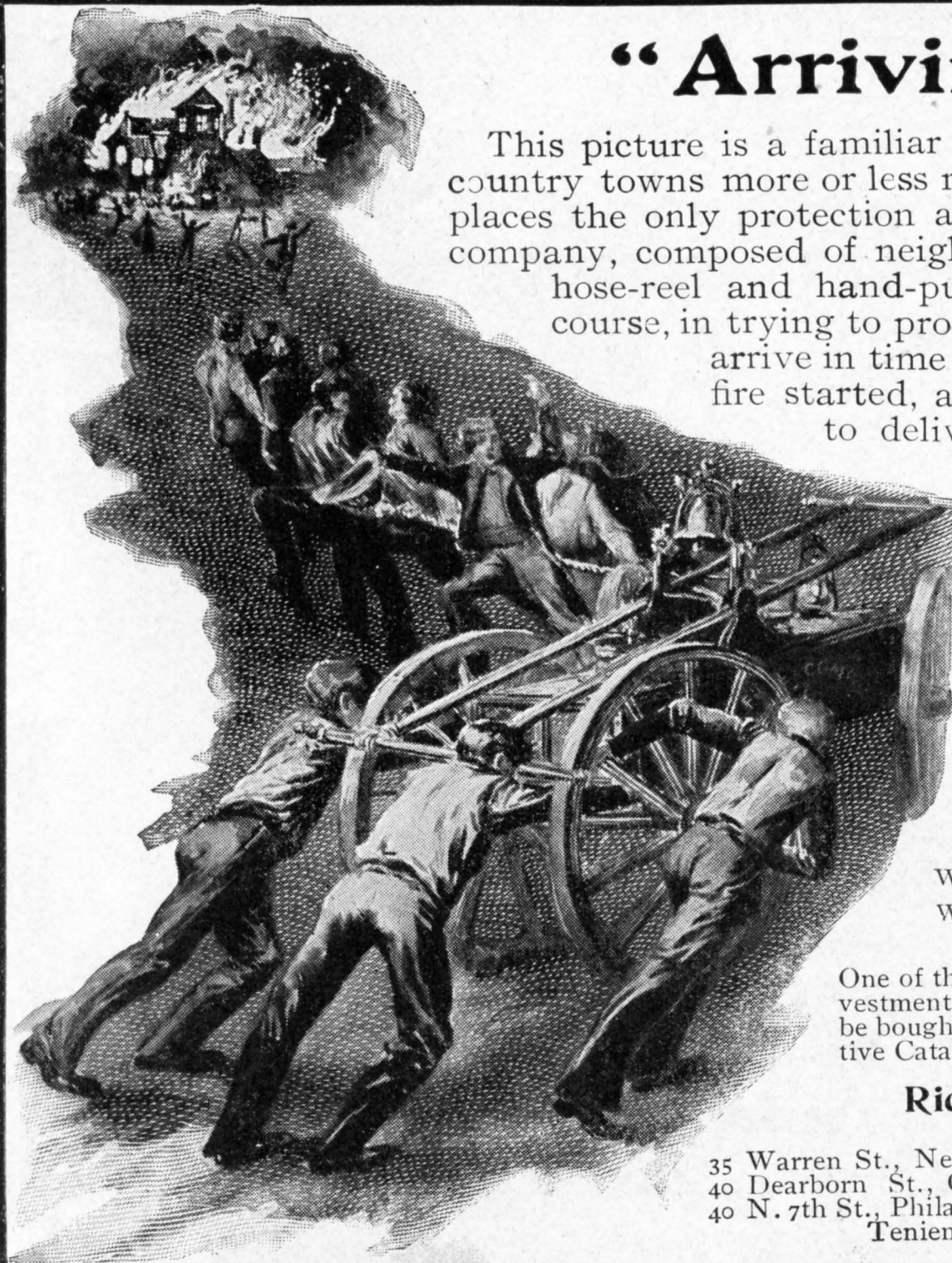
One of these pumps representing a permanent investment which will outlast a generation, can now be bought at the very low price of \$108. Descriptive Catalogue “C 5” sent free on application.

Rider-Ericsson Engine Co.

35 Warren St., New York. 239 Franklin St., Boston.
40 Dearborn St., Chicago. 692 Craig St., Montreal, P.Q.
40 N. 7th St., Philadelphia. 22 Pitt St., Sydney, N.S.W.
Teniente-Rey 71, Havana, Cuba.



The Hot-Air Pump.



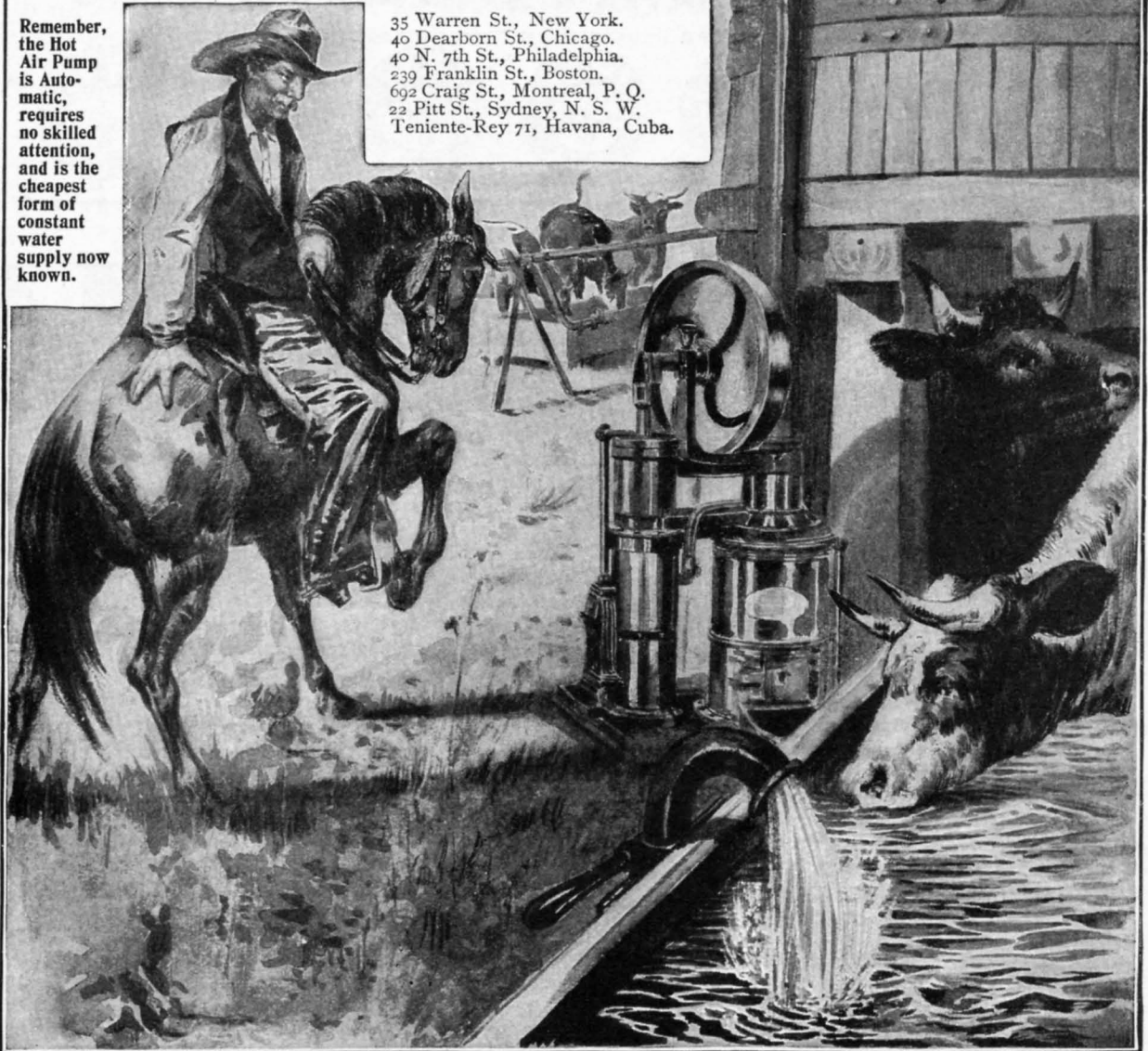
Watering the Herds

WITH the fencing of the ranges has come the need for an artificial water supply upon the great stock farms of the West. That cattle may thrive and fatten for the market, it is absolutely essential that this supply be both *constant* and *abundant*. The picture shows a typical scene upon many of the largest ranches, where the **HOT AIR PUMP** is delivering its supply into the storage tank, whence it is drawn off daily as required, in any volume up to 100,000 gallons. No driving of the herds to some distant river is required, thus much expense is saved and the cattle drink quietly, as nature dictates, at an *ever ready* and *abundant* supply. Descriptive Catalogue **CI** sent free on application.

Rider-Ericsson Engine Co.

Remember, the Hot Air Pump is Automatic, requires no skilled attention, and is the cheapest form of constant water supply now known.

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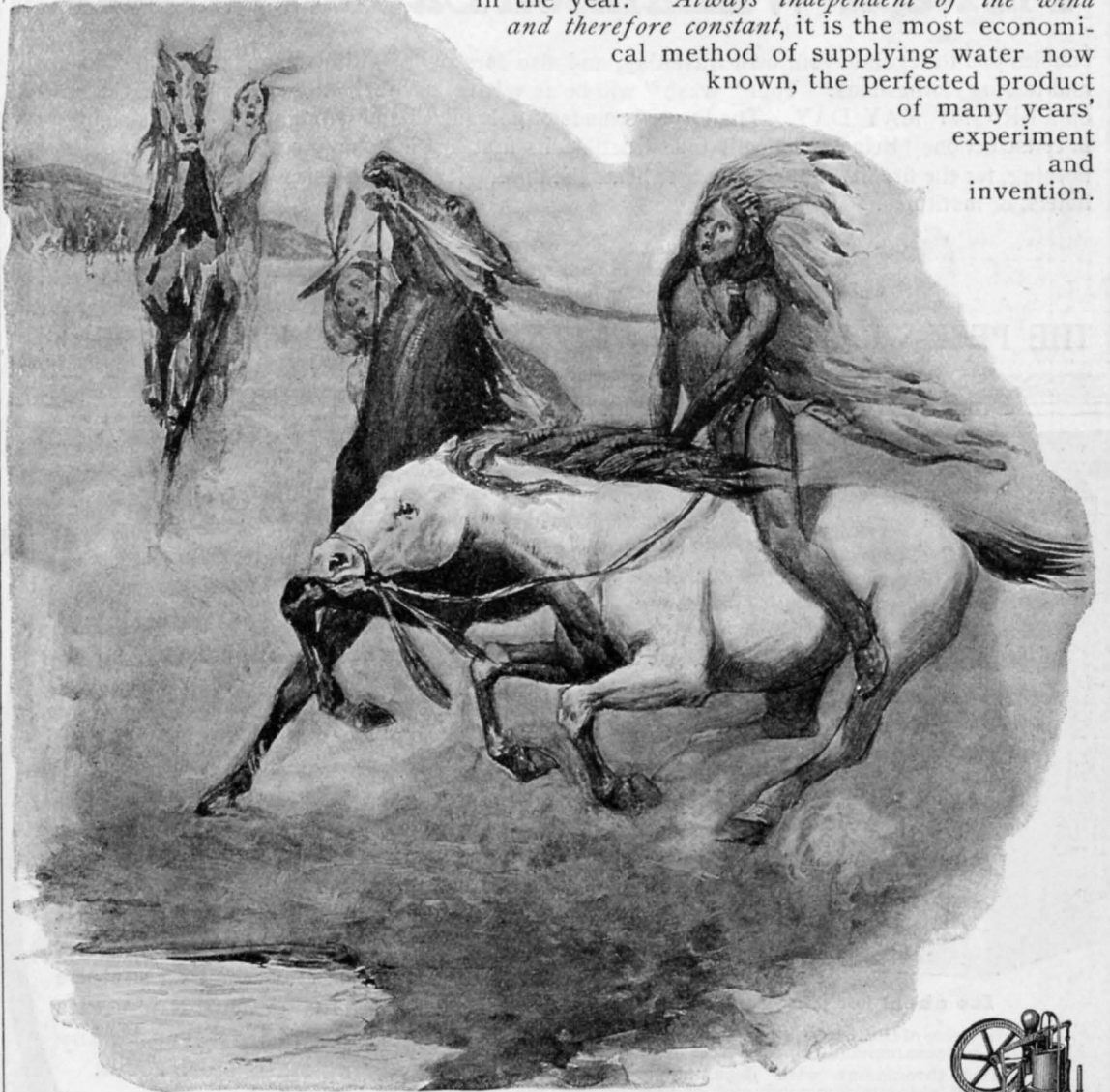
RACING FOR WATER.

Many of life's necessities are appreciated only as certain special conditions may curtail their supply. Water, for instance, when obtainable by the turn of a faucet, seems a cheap and valueless fluid, but when conditions change it often becomes the greatest luxury in the world. On the arid plains of the West the dry and weary steed scents water from afar; a new life and energy spurs him on to the welcome draught. The desert, of course, with its occasional water-hole, is an extreme case, but, in a sense, it is a parallel to the home of the man whose water supply is *in a measure deficient*, who lacks sufficient water, for instance, for his daily bath, his lawn, his garden, and whose live-stock thrive but ill on a scant supply. What a revolution in comfort and convenience the

HOT-AIR PUMP brings to such a man! Practically automatic—and non-explosive—this little engine conveys its abundant supply regularly every day in the year. *Always independent of the wind*

and therefore constant, it is the most economical method of supplying water now known, the perfected product

of many years' experiment and invention.



A Hot-Air Pump, representing a permanent investment which will outlast a generation, can now be bought at the very low price of \$108. Descriptive Catalogue "H" sent free on application.

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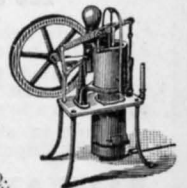
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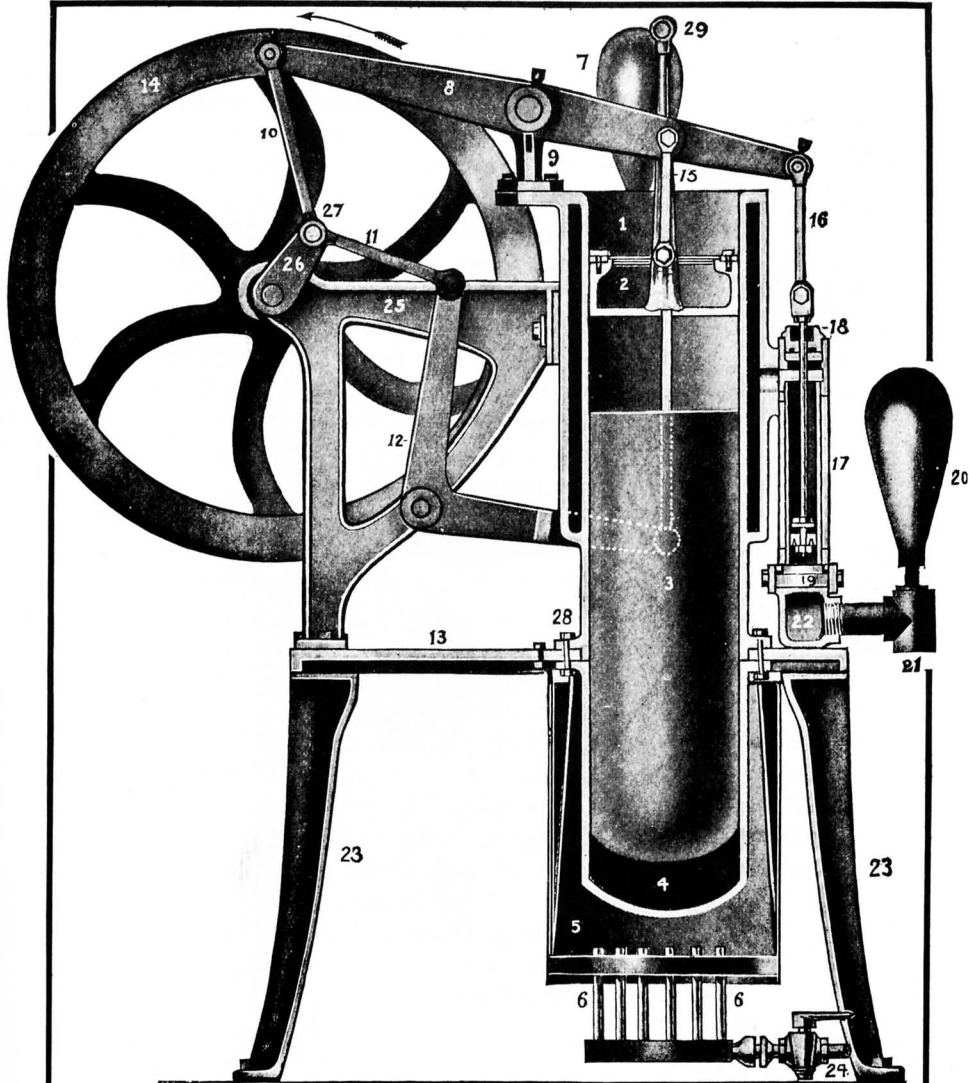
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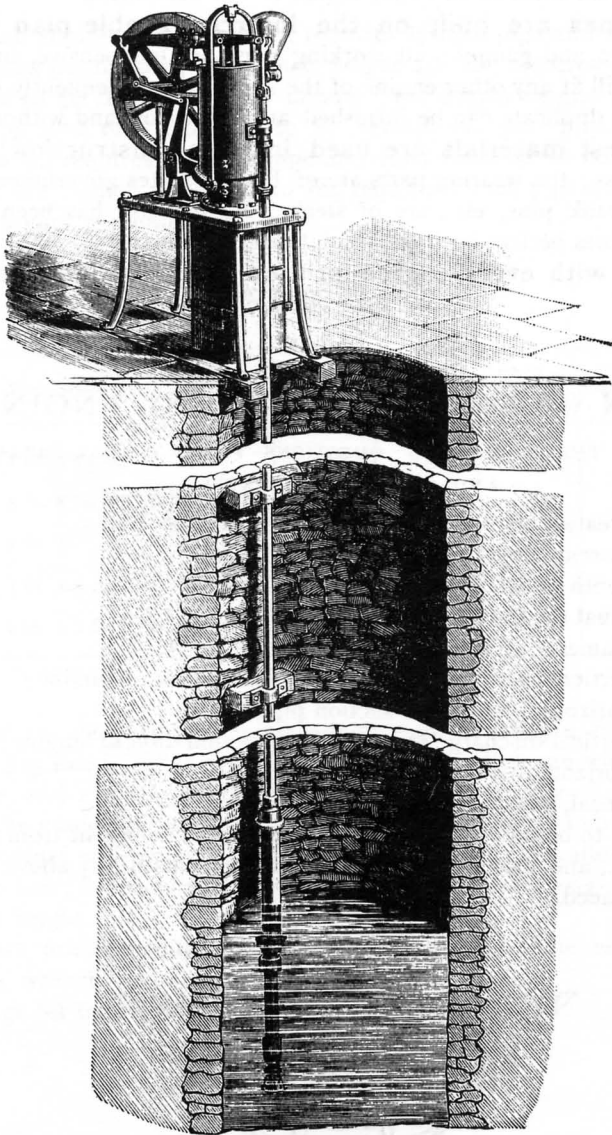


The Hot-Air Pump



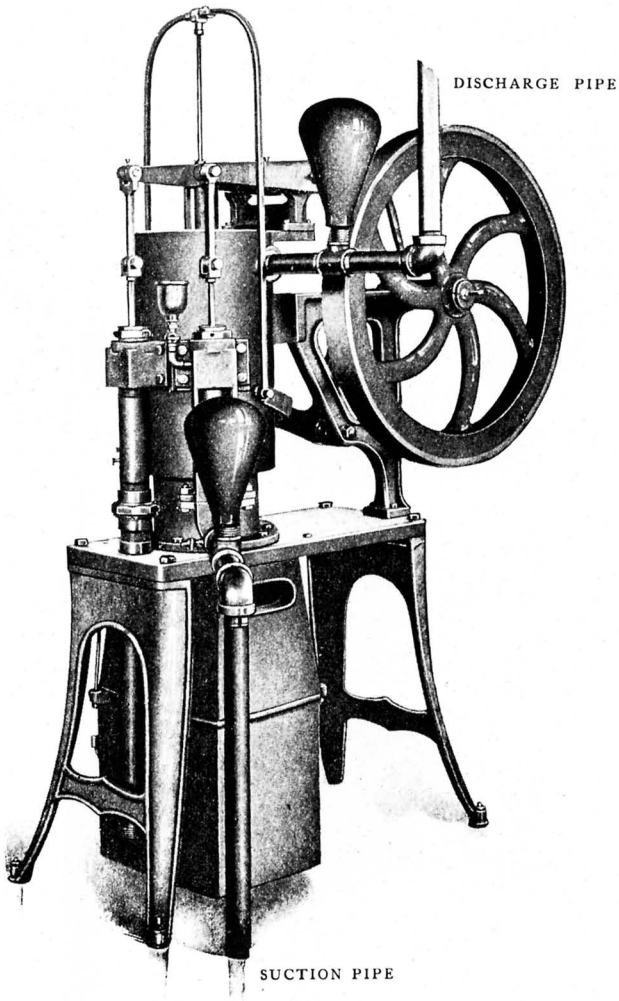
SECTIONAL VIEW OF THE ERICSSON ENGINE

- | | | | |
|--------------------|------------------------|--------------------|-------------------------------------|
| 1. Cylinder | 9. Beam-center Bearing | 16. Pump-link | 24. Gas-cock (not furnished by us) |
| 2. Air-piston | 10. Connecting-rod | 17. Pump-chamber | 25. Crank-shaft Bracket |
| 3. Transfer-piston | 11. Bell-crank Link | 18. Pump-gland | 26. Crank |
| 4. Heater | 12. Bell-crank | 19. Suction-valve | 27. Crank-pin |
| 5. Furnace | 13. Bed-plate | 20. Vacuum-chamber | 28. Heater-bolts |
| 6. Gas-burners | 14. Fly-wheel | 21. Suction-pipe | 29. Transfer Piston-rod Cross-heads |
| 7. Air-chamber | 15. Air-piston Links | 22. Pump-bottom | |
| 8. Main beam | | 23. Legs | |




ERICSSON HOT-AIR PUMPING ENGINES, AS APPLIED TO
PUMPING FROM DEEP WELLS.

OUR LATEST IMPROVEMENT



COMBINATION ERICSSON ENGINE, WITH BOTH DEEP-WELL
AND SURFACE-PUMPS, FOR PUMPING FROM
DEEP AND SHALLOW WELLS

PRICES

8-inch Ericsson, gas-, coal-, or wood-furnace . . .		\$185.00
10-inch Ericsson, gas-, coal-, or wood-furnace . . .		260.00

Kerosene-burner, extra