No Match Required

This Room Is Equipped With Edison Electric Light.
Do not attempt to light with match. Simply turn key on wall by the door.

The use of Electricity for lighting is in no way harmful to health, nor does it affect the soundness of sleep.

CARTOONS AND EARLY HISTORY

BUILDING ENGINEERING SERVICES

BRIAN ROBERTS
Put That In Your Pipe
Taking The Waters Can Have Unfortunate Consequences

Many cartoons and illustrations, dating back some seven hundred years, show that a variety of humour has been present in public and private life relating the building engineering services we all rely on. These services include cold and hot water supply, heating, ventilation, air conditioning, lighting, plumbing and sanitation. There are many more.

The pictures which follow have been collected over some forty-plus years by the Heritage Group and are taken from their Archive and website. Some originally appeared in newspapers and magazines, on postcards or company advertising material - ranging from Thomas Crapper to Carrier Engineering Corporation (e.g. the cartoon strips pages on pages 34 to 44). Other pictures have appeared in Heritage Group Publications (The Magic of Hot Water and The Quest for Comfort) and even on the covers of the CIBSE Journal. Such is our industry!

BMR, Budleigh Salterton 2021.
How Not to Make a Boiler 1935
The publication of this catalogue commemorates 60 years devoted to "The Art of Boilermaking".
"Thank God You're here"
"PHEW!"

"Heat emission from Members is brought into account in controlling the temperature of the Chamber." (Report on new House of Commons.)
Principles of Warming 1871
Principles Continued

Fig. 10.13 Popular exposition of the principles of warming and ventilating. These illustrations were projected onto a screen by Lewis W. Leeds during his 1866–67 lecture series in the Franklin Institute, Philadelphia. They appear in his *Treatise on Ventilation* (New York, 1871). The clouds represent air exhaled and thus vitiated. The straight lines represent radiated heat. Fig. 10 shows how feet are chilled by cold current from the closed window while reader breathes warm but vitiated air. Fig. 11 shows how, with the given heating system, one may “keep the feet warmer than the head, and the back warmer than the face.” Fig. 12 notes the radiation from the man’s back to the cold window, chilling his back and legs. The room’s air is totally vitiated. Fig. 13 depicts an optimum condition. Some fresh air is admitted to the room just above the radiator at right. Vitiated air is removed at floor level (*left*) and from the gas lighting fixture near the ceiling.

Fig. 10.15 The open window, at left, permits cold air to enter, but the air flows across the floor and up the chimney while the sleeping victims are surrounded by the air that they have vitiated. Lewis W. Leeds, *Treatise on Ventilation* (New York, 1871) fig. 6.
Heat Recovery In Action 1987
Testing the Electric Light 1884
Dangers of the Electric Light c.1890

THE INTRODUCTION OF THE ELECTRIC LIGHT, ETC., INTO PRIVATE HOUSES.

1. Warning to people who wear chain jewellery, if an unprotected wire happens to touch a necklet, &c.; for instance, the above might possibly happen.
2. "Pense-moi, t’as un strass collier avec la charge nerveuse—will you have it in the cash or bottle?"
4. Master Harry asks Tunny to show him their new battery.
5. Quadrille of the future in a room overloaded with an excess of electricity.
6. Curious accident to the earliest use of an electric pipe-lighter.
7. Portrait of gentlemen who have had the electric fluid in their houses for a few years.
8. The Christmas garrulous battery-pudding, electric currents, &c.
Garde l'eau (Middle Ages)
Flushed with Pride

FLUSHED WITH PRIDE
The story of THOMAS CRAPPER
Wallace Reyburn

This is Updated
Collecting Night Soil - Early 1800s
Rub A Dub-Dub 13c

Tubs were of barrel-like construction and fashioned by a cooper.

A large bath like this probably stood in a bathroom, rather than being taken into a bedchamber. When the bath was enclosed by the tent-like curtains a sauna effect was achieved.
Pour, varlet, pour the water,
The water steaming hot!

Macaulay, Edward de Vere, Earl of Oxford, 1550/1604
A Hot Spring Bath 1687

A hot spring bath can cure anything but love
Japanese Folk Song.

11. Illustration from a History of Regaska Slanina Hot Springs, Czechoslovakia, 1687. (TTW, p. 73).
Bathing: Amorous Indiscretions 15c
A Pleasant Soak

Come to the bath house, rich and poor
The water is hot you may be sure,
With fragrant soap we wash your skin,
Then put you in the sweating bin;
And when you’ve had a beautiful sweat,
Your hair is cut, your blood is let,
And then, to finish, a good rub
And a pleasant soak in a soothing tub.

Christopher Scheur, Nuremberg, 1516.
The Noble Life Outdoors 16c

A New Cock Wanted 1730
Clean hands and hearts may hope
To find the way to happiness
By using lots of soap.


Say It With Flowers 1900
Only The Valiant 1909!

Vaillant 1908/09
Cool As a Cucumber

General Electric air-conditioning advertisement, 1951.
“Our new air-conditioning plant has completely ruined the lovely smells that used to come up from the kitchen every now and then.”
Ventilation controversy. Here one sees the confusion created by changingphysiologic theory in ventilation practice. Fresh-air advocates used the report of the New York Commission on Ventilation to bolster their position that mechanical ventilation should be abandoned in favor of open windows. Air-conditioning advocates were headed in the opposite direction, toward man-made weather. (Aerologist [December 1931]: cover)
The Macaroni Case

1921
"Our dryroom, sirs, is hopeless, the goods will check and sour. In spite of all that I can do we're losing every hour."

"We either sweat too slowly, which sours the stuff, just so, or else we dry so rapidly we check it 'fore we know."

The partners then examine, some goods the dealers say is just the kind they're looking for, the best in every way.
They write the other people
day and ask them please to tell
What makes their goods so wonderful
and how they dry so well.

The answer came back quickly.
its wording you can see
The partners read it hurriedly
and nodded happily.

They quickly ‘phoned to Carrier
to come and tell them how
To make their plant a modern one
as fast as things allow.
And with his usual promptness comes “Mech”, his face asmile, “We’ll have Ejector dryers here within a little while.”

“Mech” kept his word and shortly their dryers were complete, With automatic instruments to regulate the heat.

And now when Flour and Water their finished goods inspect, They smile at competition for their goods have no defect.
The Weather Vein

ADVENTURES OF
The Mechanical Weather Man
THE FILM MYSTERY

Film-em Brothers, movie-makers, register dismay,
A dozen cancelled contracts is the total for the day.

"Look here!" A wrathful Lab man's voice makes
Film-em Brothers quake—
"The piece of film I'm holding here is cloudy and opaque!"
“And look at this!” The camera-man exudes an irate yell—
“The film I gotta use is scratched and full of dust as well!”

“And how in blazes can we work”—a crazed director cries,
“In ninety-six degrees of heat, with dust clouds in our eyes?”

“What’s more, developing’s a crime in weather like today!
The coating softens on the film, gets smudged, and ‘pulls away.’”
"Zounds!" In bursts Sam, the dry-room man, and starts to rave and cuss—
"Conditioned Films, across the way, dry twice as fast as us!"

Then just as all seems inky gloom, there comes a ray of cheer,
(It's Mech—the grinning little scamp!) "What ho, my friends, I'm here!"

"Zing! Zip! No more close-ups today of trouble and despair—
We'll try instead a second reel called "Clean Conditioned Air!""
Then like a flash through all the plant there runs
the joyful news,
That Meeh, the weather wonder-man, has killed the
movie blues!

And since that day when Film-em's films are shown
upon the screen,
The movie fans declare the show the best they've
ever seen.

So Film-em Brothers smile with glee—as well the
brothers may—
When contracts by the carload flood their office
every day.
The Weather Vein

ADVENTURES OF

The Mechanical Weather Man

THE MYSTERY OF THE CHEMIST'S SHOP

The Messrs. Pill and Powder make chemicals and drugs.
Most everything from Paris Green to bottled little Bugs.

Their drying kilns for powders, in spite of every care,
Will not dry uniformly, fast—they need conditioned air.
And when they've left the dry kilns their powders rare and dear
Become a caked and sorry mass in summer atmosphere.

The dust from open windows contaminates their goods,
And too-moist air makes G. E. salts stick tight in filling hoods.

Machine-rolled pills, when coated, are checked and have no gloss,
"Mech" can avoid this trouble, too, and save their daily loss.
Mystery of the Chemist's Shop

The Messrs. Pill and Powder, convinced by "Mech's" display
Of wisdom, put it up to him to make their business pay.

"Mech" waves his magic wand, then, conditioning the air,
And all their costly chemicals which used to cause despair.

Are standardized exactly and made superior,
While everything competitive becomes inferior.