



BREWED OF THE BEST MALT AND CHOICE IMPORTED HOPS
Sold in Kegs and Bottles,
Telephone West 159. AUGUSTA & PAULINA STS.

August Maritzen,

Architect and Engineer for Brewers and Maltsters

Office, Rooms 40, 42, 44, 46, 48, No. 177 La Salle St., Cor. Monroe,

Telephone 1633, CHICAGO.

**ERNST FUNK'S
CELEBRATED**

WEISS BEER!

50 Clyde St.

Postal Card Orders Promptly Attended To.

VALENTIN BLATZ BREWERY,

Milwaukee, Wis.

OFFICE IN CHICAGO, Union and Erie Streets.

Telephone No. 4857

BOTTLING DEPARTMENT, 29 West Ohio Street.

Telephone 4382. HENRY LEEB, Manager.

JOSEPH SCHLITZ BREWERY

Milwaukee, Wis.

HENRY UHLEIN, President ALFRED UHLEIN, Superintendent AUGUST UHLEIN, Secretary.

Annual Capacity, 600,000 Barrels.

SCHLITZ BRAU

Now appears the latest and best product of the celebrated Joseph Schlitz Brewery, brewed exclusively from Canada Barley Malt and Finest Bohemian Hops.

EDWARD UHLEIN, Manager, Chicago, CORNER UNION AND OHIO STREETS.

W. L. COGGIN, Sole Bottler for the Trade, Chicago.

PABST BREWING COMPANY

MILWAUKEE, WIS.

Largest Brewery in the World.

CHICAGO OFFICE.

Corner Desplaines and Indiana Streets.

We call your attention to our different brands of BOTTLED BEER!

FOR FAMILY USE—DELIVERED TO ANY PART OF THE CITY.

Telephone Main 4383. HERMAN PABST, Manager.

CHARLES H. WACKER, President and Treasurer THEO HOHENADEL, Secretary

Telephone 4261

The Wacker & Birk

BREWING COMPANY,

171 North Desplaines Street, Chicago, Illinois.

BOTTLERS OF THE CELEBRATED WIENER AND ULMER TABLE BEER.

American Brewing Co.

922.

922

North Ashland Avenue,

North Ashland Avenue,

BREWERS OF THE

A. B. C.

COLUMBIA and MINNEHAHA

Brands of Lager Beer.

MICHAEL BRAND, Pres. VIRGIL M. BRAND, Vice Pres.

LEO ERNST, Secy. RUDOLPH BRAND, Treas.

UNITED STATES BREWING CO.

Main Office, 634 to 706 Sedgwick St., Chicago.

BREWERS:

MICHAEL BRAND, BARTHOLOMAE & LEICHT, Cor. Elston Av. and Snow St. 684 to 706 Sedgwick St.

ERNST BROTHERS, 47 to 67 Larrabee St.

GEO. BARTHOLOMAE, Manager.

JOHN A. ORB, President THEODORE OEHNE, Vice President and Treasurer JULIUS H. SCHILLER, Secretary



Lake Shore, Foot of 27th Street, Chicago.

Brewers and Bottlers of the Celebrated **SALVATOR**

AND EXTRA PALE BEER

Telephone South 3850.

KEELEY

Brewing Company,

Brewers of Lager Beer,

Foot of 28th St. and Groveland Park Av.,

CHICAGO.

Fortune Bro.'s Brewing Company,

BREWERS OF

LAGER BEER

Van Buren, Desplaines, & Pearce Sts.

OFFICE: 225 DESPLAINES STREET.

CHICAGO

JOHN S. COOKE, Pres. and Treas. CHARLES F. COOKE, Sec'y.

COOKE

BREWING COMPANY

BREWERS AND MALTSTERS,

Corner of Twenty-seventh St. and Johnson Ave., Chicago. Telephone South 298.

"MUNICH HOF BRAU," A SUPERIOR MALT BEER, A SPECIALTY. PARTICULAR ATTENTION GIVEN TO THE BOTTLING TRADE.

PAUL POHL Brewer of Weiss Beer, Porter AND EXPORT BEER.

29-35 Coor St., Cor. Fullerton Av., Chicago. Telephone North 902.

The FECKER BREWING CO.

871 to 897 Dudley Street,

Corner Bloomingdale Road.

CHICAGO, ILL.

BREWERS OF

"CHICAGO BRAU."

"GARDEN CITY BRAU."

McAvoy Brewing Company

AUSTIN J. DOYLE, President.

ADAM ORTSEIFEN, Vice Pres.

H. T. BELLAMY, Sec. and Treas.



Office, 2349 South Park Avenue.

Telephone South 8257. Telephone South 8257.

JOHN VOGT.

JOHN SWEENEY.

VOGT & SWEENEY,

BREWERS AND BOTTLERS OF

Lager Beer, Weiss and Porter.

467 to 473 Twenty-sixth Street,

Tel. South 961.

CHICAGO.

GOTTFRIED BREWING COMP'NY

Cor. Archer and Stewart Aves.

OFFICE: 85 ALEXANDER STREET, CHICAGO.

TELEPHONE 6429.

The Largest Brewery in Illinois Which is Not Controlled by English Money.

M. GOTTFRIED, Pres. JOHN H. WEISS, Sec. & Treas. FERD. GUNDRUM, V. Pres. C. M. GOTTFRIED, Supt.

WILLIAM A. BIRK.

EDWARD J. BIRK.

BIRK BROS. BREWING CO.

Brewers and Bottlers.

Extra, Erlange and Export Beer.

101-109 Webster Av., - CHICAGO.

TELEPHONE 6429.

CITIZENS' Brewing Company.

MAIN STREET AND ARCHER AVENUE.

WM. F. MAHONEY, Pres. and Treas. THOS. J. NERNEY, Secretary ALFRED HIERONIMUS, Supt. and Brewer

Capital Stock, \$200,000. Capacity, 100,000 Barrels Per Annum.

Waukesha Spring Brewing Co.

MATH. THOME, President FRED H. MARX, Treasurer RUDOLPH WOSSLIOK, Secretary WM. MANGLER, Manager J. B. NIERENDORF, Superintendent.

WAUKESHA, WISCONSIN.

CHICAGO OFFICE:

185 Dearborn St., Rooms E and F, Adams Express Building.

GIVES WARNING TO WAR SHIPS.

The Hydrophone, Which Registers the Movements of any Craft a Mile Distant.

Experiments are now being conducted on the perfection of the hydrophone, which, according to the London Times, promises to be of great value in marine warfare. The principal object of this simple apparatus is to give warning to a port or fleet of the approach of a torpedo boat, even if the latter is totally submerged and, therefore, invisible. It consists essentially of two parts, one submerged in the sea, at a proper distance from the port or fleet to be warned, and at a depth sufficient to escape the surface agitation. This part may be described as an iron bell jar, which, on being plunged mouth downward into the water, retains a volume of air in the upper portion or bottom, where a copper box, protecting the sensitive organ of the apparatus is fixed. The organ in question is merely a very delicate vibratory contact, which makes and breaks an electric circuit connecting the submerged bell with the indicator or second part of the hydrophone, situated on shore or on board one of the ships of the fleet. The contact is formed by a flat horizontal spring fixed at one end and loaded at the other by a heavy piece of brass, having on its upper surface a small platinum stud. A fine platinum needle kept upright by a vertical guide, rests its lower end loosely on the platinum stud. The needle and the stud are connected in the electric circuit through the guide and spring, and when the needle dances on the stud the circuit is made and broken. An electric current from the hydrophone consists essentially of an electro-magnet, through which the current passes, with an armature free to oscillate when the current is rapidly made and broken—that is to say, when the current becomes intermittent. The motion of this armature can be seen by an observer, if he chooses to watch, but actual observation is not required, for the indicator itself gives the alarm. This takes place when the swing of the armature carries it within the attraction of a magnetic contact piece fixed near it. The armature is then drawn to the contact piece and held fast there. The swinging armature and the contact piece are connected in the circuit of local battery, and when they meet the current flows to ring an electric bell or light an electric lamp. The torpedo boat thus announces its own arrival on the scene in spite of itself, and precautions can be taken against it. The hydrophone is at present undergoing a practical trial in England, and Captain McEvoy, the inventor, estimates that three of the instruments suitably placed would be sufficient to protect Portsmouth harbor. He is now engaged in constructing a larger bell than that already submerged, in order to meet the requirements of the Government authorities. The apparatus is beautifully worked out and comparatively inexpensive. Moreover, it is sufficiently sensitive to announce the passage of steamers a mile distant from the bell. Obviously, such an instrument might also be used for submarine signaling, for a ship, by stopping and starting her propeller, could send a message in the Morse code, and the shore could respond by flashing the electric lamp. In the case of another ship the response might be made by her propeller.

Lawless Revenge.

It is an almost appalling condition of sentiment somewhere that is suggested by the appearance in one of our principal magazines of a symposium of articles discussing the morals of lynch law. That there could be the occasion of such a controversy in our country, or indeed, that any difference of opinion whatever could exist implies a state of affairs not pleasant to contemplate.

Unfortunately, occurrences are continually assailing public attention which too clearly explain the appearance of this discussion. One such happened only a few days ago when a man suspected of crime was seized, not by the arm of the law, dragged prostrate on the ground, at the end of a rope fastened around his wrists, to the scene of his supposed offence, and there suspended in the air by a rope around his neck, while a slow fire burned under his feet.

The newspaper dispatches in which this horrible story is told stated that the company which inflicted these atrocities was composed of the "best citizens of the neighborhood," including a clergyman, a physician and a county clerk. The dispatches conclude by describing how, when the poor wretch had been strangled and burned, his body was "ridicled with bullets!"

It cannot be maintained that this is an extraordinary, scarcely an unusual affair; but the more frequently its like occurs the more impressive is the duty of every serious citizen to denounce his loathing of it, and all engaged in it.

How can any intelligent person suppose that the criminal passions of some men are restrained by outbursts of passions not less lawless on the part of others?—Ye this Companion.

A Mouse for a Companion.

One of the quaint remembrances of Robert Louis Stevenson's south sea life is that of his Honolulu mouse. A small shelf hung over the couch whereon he used to lie when ill and trying to forget his pain in "tooting" on his flageolet. Out on this shelf the little mouse would venture, and soon became so tame as to delight in the novelist's caresses. If it got no immediate attention it would scratch on the shelf and make a little whine or song to attract its friends, and after a time it actually persuaded its spouse to pay a daily visit to the musician in its company.

Most creatures are entirely harmless when they are asleep. But the moth does the most mischief when it is taking a nap.