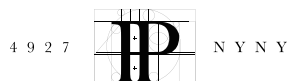


PATENT PENDING



I N T R O D U C T I O N

Welcome to the cellar of the Radio Wave Building.

This is the building in which Nikola Tesla lived^{A1} and performed his experiments on radio waves, transmitting them to his laboratory near present day Trinity Church in downtown Manhattan. The ‘waves’ which guided you here (GPS) and surround you now (WiFi) were envisioned by Tesla more than a century ago.

Born during a lightning storm, Nikola Tesla was a child of light. An immigrant, an innovator and a patriot, Tesla dreamed of a world which few others could imagine. He was an eccentric^{A2} genius, an ‘Electric Messiah’.

We toast to him and the countless others that think outside the box, persevering against all odds.

The Gerlach Hotel

49 West 27th

New York City, c.1896





YOUR JOURNEY

ENERGY	<i>No. 0004.</i>
FREQUENCY	<i>No. 0008.</i>
VIBRATION	<i>No. 0012.</i>
DESCENT	<i>No. 0016.</i>
LEGACY	<i>No. 0020.</i>
BITES, BEER, NON-ALC & WINE	<i>No. 0024.</i>
APPENDIX	<i>No. 0026.</i>

Menus may be purchased for \$33. Please ask your server.



E N E R G Y

CLEAN AND BRIGHT.
THESE DRINKS ARE A CRISP WELCOME TO THE NIGHTS TIPPLING.

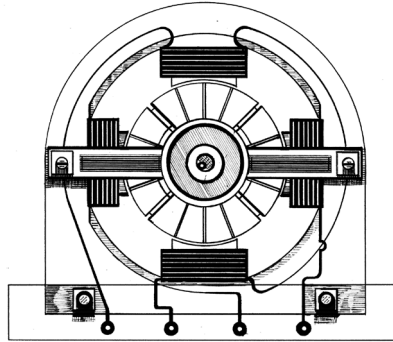


Fig. B1.1
cut away view
AC induction motor

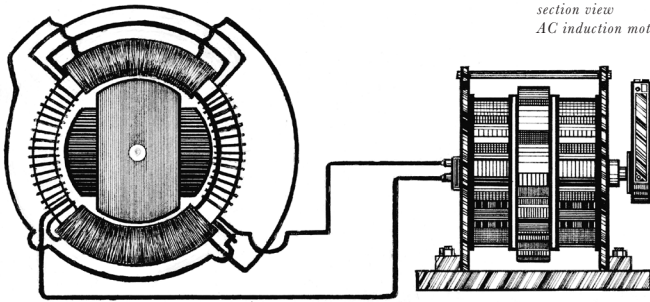


Fig. B1.2
section view
AC induction motor

ALL SPECIALTY COCKTAILS

\$21

You are now in a landmarked building^{B2} conducive to conversation, experimentation and home to the world's first recorded electrical vibrations. At the end of the 19th century there was value in these discoveries, a substantial fortune to be found. Close to home and around the world, Tesla's rivals

(Thomas Edison, George Westinghouse and Guglielmo Marconi) moved to leapfrog his achievements and stake their own claim to discovery.^{B3} As dueling corporations backed rival inventors for supremacy, a renowned intellectual property race was officially on...

STRANGE MAGIC

VODKA

STRAWBERRY

MADEIRA

GRAPEFRUIT

LEMON

PROSECCO

SELTZER

MR. MUIR

GIN

CALVADOS

DOUGLAS FIR

GINGER

GENTIAN

LEMON

NOBEL SLIGHT

MEZCAL

JAMAICAN RUM

YUZUKOSHO

YELLOW BELL PEPPER

PINEAPPLE

CILANTRO

LIME

** amplified version available for \$44, please inquire*

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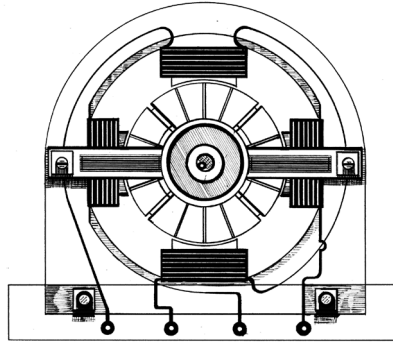


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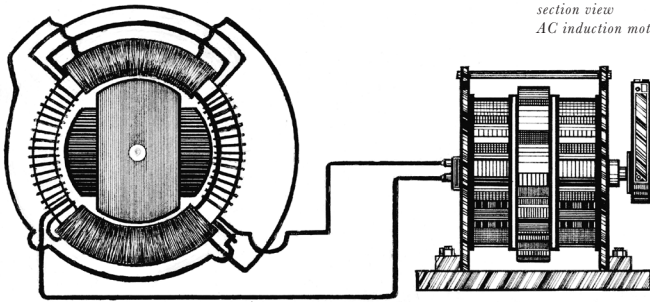


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#01

Strange Magic

Zesty + Refreshing

Built

Bright, fruity, easy drinker,
with a nutty complexity and
a hint of bitterness ~~from grapefruit~~
from grapefruit.

For the cautious drinker!

Strawberries

nugget


$$I_{T_x}^2 - 4Qn + 4qn$$

#02

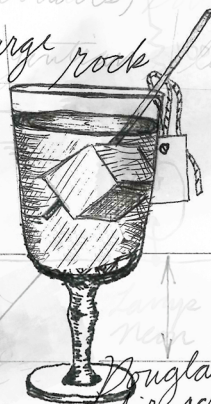
Mr. Muir

Pine + Lemon + Apple

Shaken

Inspired by the smell of a
coniferous forest, we've infused gin
with pure ~~My~~ Douglas Fir.
Tastes like Christmas in the
Pacific Northwest.

large rock.


$$\mathcal{E} = \mathcal{F} \cdot \mathcal{Z}$$
$$\mathcal{E} = IZ$$

#03

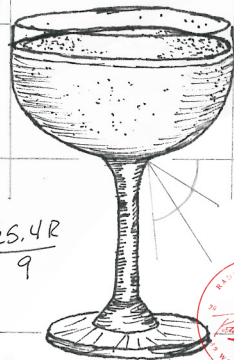
Nobel Slight

Salty + Smokey + Vegetal

Shaken

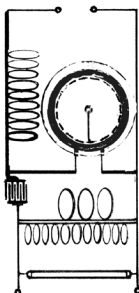
For those who want a little kick (or punch). Inspired by the pairing of smoky mezeal and Yuzen Kosho.

Mezcal
Jamaican Rum

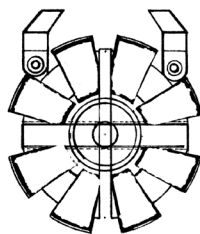


F R E Q U E N C Y

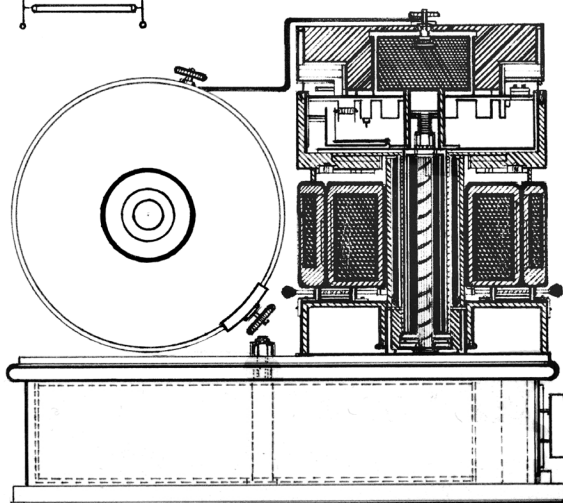
ENERGETICALLY INFUSED AND FIT FOR A CELEBRATION.
THESE DRINKS ARE AS INTENSE AS THEIR ORIGINS.



*Fig. C1.1
cut away view
electromechanical
oscillator*



*Fig. C1.2
section view
electromechanical
oscillator*



*Fig. C1.3
section view
electromechanical
oscillator*

ALL SPECIALTY COCKTAILS

\$21

In spite of his peculiar work ethic and reclusive tendencies, Tesla attracted many famous friends with his lively character and dapper style. He was frequently accompanied by some of the greatest luminaries of his day: Mark Twain, Rudyard Kipling and conservationist John Muir were just a few of his fervent admirers.^{C2}

Tesla was a man of great influence, not only in the scientific community, but through his political and philosophical writings. He staunchly opposed Prohibition^{C3} and once wrote of a drink that "...it's the 'elixir of life.'"^{C4}

RADIO WAVES

TEQUILA

MEZCAL

AGRICOLE RHUM

BASIL

THAI CHILE

LIME

CUCUMBER

** large format available for \$85 (serves 4-6)*

LIGHT ME UP

BOURBON

JAMAICAN RUM

MANGO BLACK TEA

AMARO

YELLOW CHARTREUSE

SZECHUAN PEPPERCORN

PINEAPPLE

** amplified version available for \$34, please inquire*

THE 'TWIN, TOO

TEQUILA

SERBIAN RAKIJA

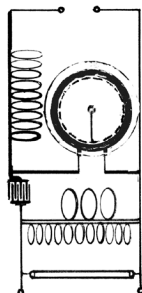
NUTMEG LIQUEUR

BURNT LIME

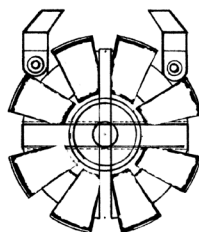
KIWI

F R E Q U E N C Y

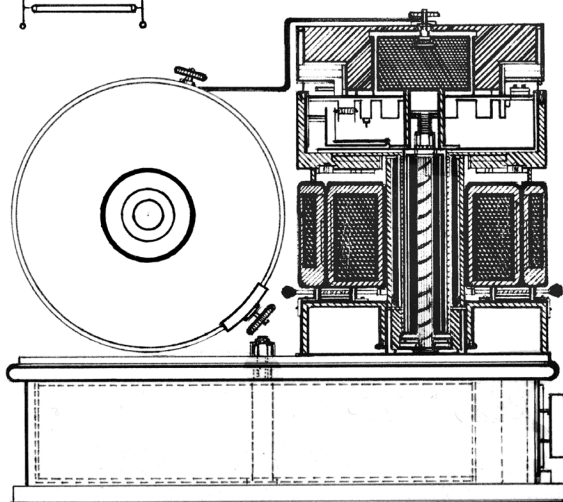
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cut away view
electromechanical
oscillator*



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section view
electromechanical
oscillator*



*Fig. C1.3
section view
electromechanical
oscillator*

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04	Radio Waves
Spicy + Smokey	Shaken
Thai chile, basil, and cucumber give this drink a Southeast Asian angle, while Agricole and Mezcal give this drink a bit of funk and smoke.	

$$S = \frac{\pi R D}{1056}$$

high voltage

$$I = 0.5 I^2 L$$



rock

large square

Agricole rhum, Thai chile, cucumber, lime

05	Light Me Up
Burnt + Herbal + Spice	Shaken
A whiskey sour variation with tons of depth. Mango black tea adds a tropical and tannic note. Szechuan peppercorn adds a touch of numbing <u>heat</u> .	

Gins



Up

Szechuan peppercorn

Bourbon, Jamaican Rum, Amaro, Yellow Chartreuse, Szechuan peppercorn

XX

$$K_F = \frac{1}{15.15 d \sqrt{f_0}}$$

06	The 'Twain. Too
Zesty + Aromatic + Herbal	Shaken*
With interesting complexity, this tequila sour riff party takes on a subtle, zesty note using house-made bitters, while the burnt lime gives the drink an aromatic and fascinating finish.	



up

burnt lime

Tequila

2 Pear,

3 Lemon

$$f_0 = 2\pi \sqrt{Lip - Co}$$



V I B R A T I O N

A TOUCH OF INVENTIVENESS, A JOLT OF DARING.
THESE DRINKS REPRESENT A TESLIAN TWIST ON CLASSICAL WISDOM.

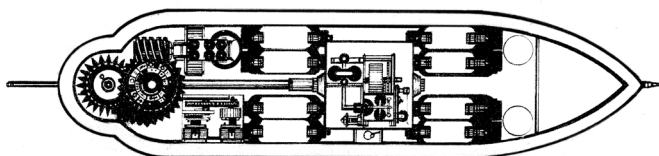


Fig. D1.1
top-down view
radio controlled boat

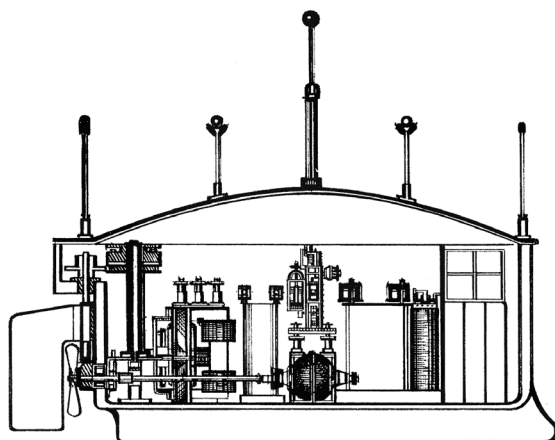


Fig. D1.2
cut away view
radio controlled boat

ALL SPECIALTY COCKTAILS

\$21

Tesla's discoveries began a worldwide desire for electric light. New York City became the world's foremost intellectual melting pot, bringing people together for an alternative current^{D2} of inspiration. In the city that never sleeps, Tesla felt quite at home.^{D3}

From x-rays to radio waves, from currents to coils, his impact on our lives is indisputable. A simple patent count tells this tale.^{D4} A relentless visionary, Tesla brought to humanity an electric dawn.

A C / D C ?

JAPANESE GIN

SHOCHU

PLUM

LEMON

EGG WHITE

SELTZER

INTO THE REALM

RYE GIN

SUZE

BLOOD ORANGE

FENUGREEK SEED

WHITE PORTO

MANDARIN

GRAPEFRUIT

HIT BY A TAXI

JAPANESE WHISKY

ARMAGNAC

SWEET VERMOUTH

PU'ERH TEA

CURACAO

STAR ANISE

V I B R A T I O N

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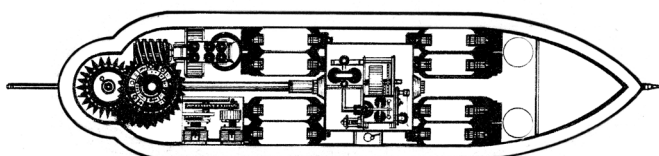


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top-down view
radio controlled boat

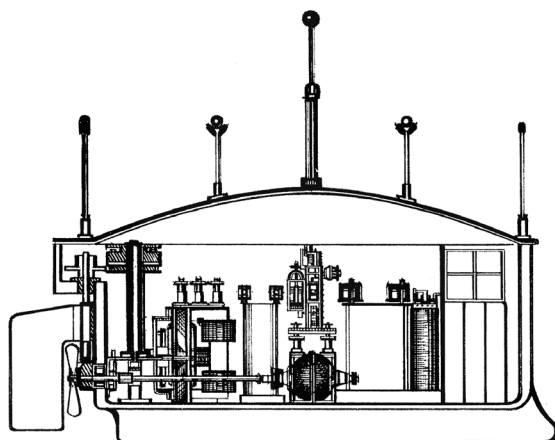


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cut away view
radio controlled boat

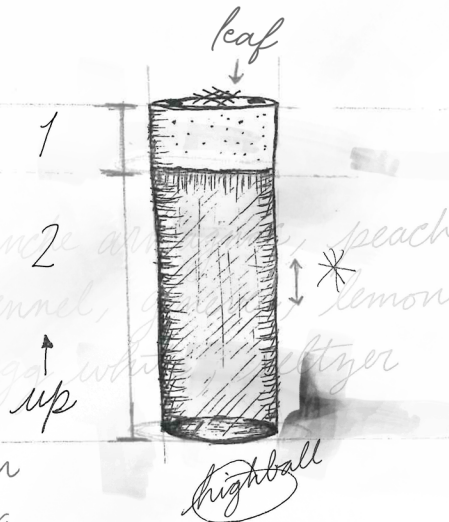
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\$21

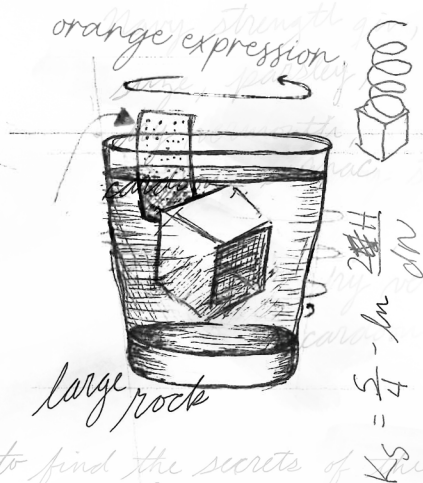
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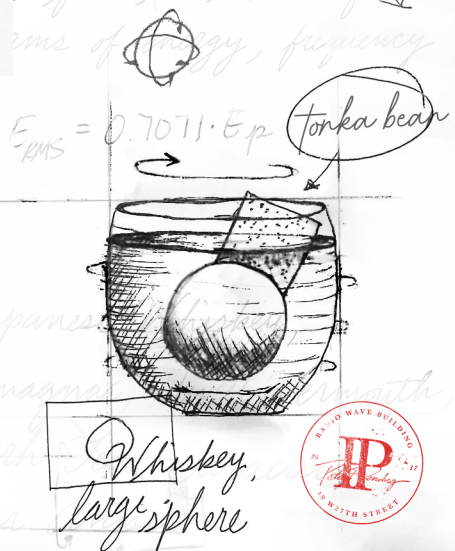
#07	AC/DC ? *
Bright + Aromatic + Fluffy	Shaken Layered
<p>Another bright and easy drinker, but more adventurous. Slight marzipan aroma from fruit kernels and marigold is rounded out by flavors of plum and and lemon.</p> <p>D_{min} D_{max}</p>	



#08	Into the Realm
bitter + peppery + sharp	stirred
<p>Negroni drinkers get ready... 100 percent rye gin is infused with bitter herbs and matched with the exquisitely intense flavor of and seasonal blood oranges and bitter herbs to make something truly memorable. We like to think we're sitting somewhere on the beach in Italy...</p> <p>$I = 0.5\%$</p>	



#09	Hit By a Taxi
Oaky + Black Tea + Anise	Stirred
<p>Taking cues from the Manhattan, this cocktail drinks dry and dark. Pu-erh tea adds a musty complexity to the Japanese whiskey.</p>	



DESCENT

DARKER AND RICHER,
THESE DRINKS ARE FOR THE ADVENTUROUS.

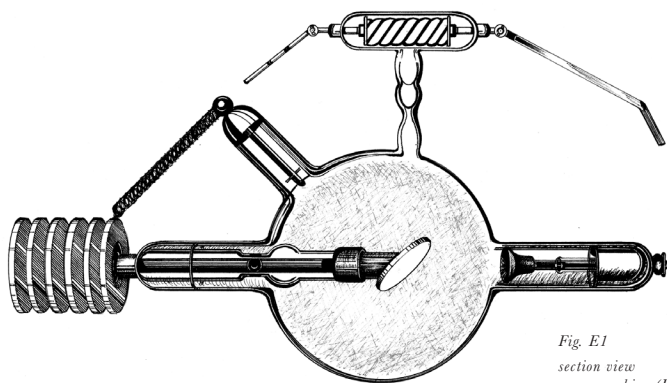


Fig. E1
section view
x-ray machine (Röntgen)

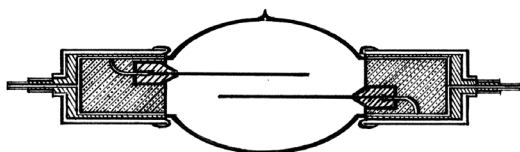


Fig. E2
left view
x-ray light bulb (Tesla)

ALL SPECIALTY COCKTAILS

\$21

Thick black smoke bellowed from the ruins of a smoldering laboratory. Rumors spread; was his alternating current to blame?^{E3} His competitors relished the thought of it! Plagued by slander,^{E4} encumbered by debt, Tesla turned to the streets...

Unattached, he spiraled downward. Never having had time for a wife, he fell smitten to the companionship of a single pigeon, the object of his obsession, the love of his life.^{E5} Paranoid, penniless and in the twilight of great genius, he sank into his future in a dark descent.^{E6}

CURRENTS & COILS

VENEZUELAN & GUYANESE RUM

MALTED MILK

COCONUT

BANANA

PATENT COFFEE

PINEAPPLE

LIME

ODD LOVE

RYE

SPANISH BRANDY

PATENT COFFEE

CHERRY

WALNUT

ABSINTHE

** barrel-aged version available for \$35, please inquire*

MADE FROM MEMORY

AMERICAN GIN

APPLE BRANDY

ORANGE LIQUEUR

FIG LEAF

EARL GREY TEA

CREAM

DESCENT

DARKER AND RICHER,
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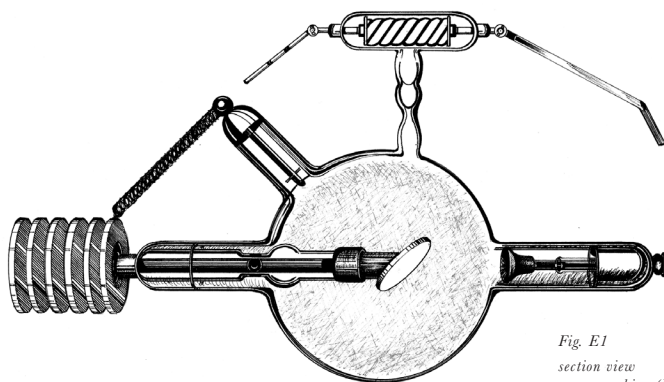


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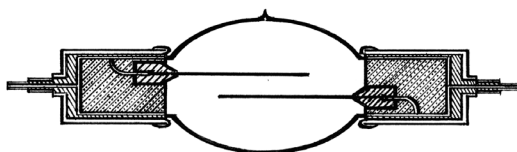


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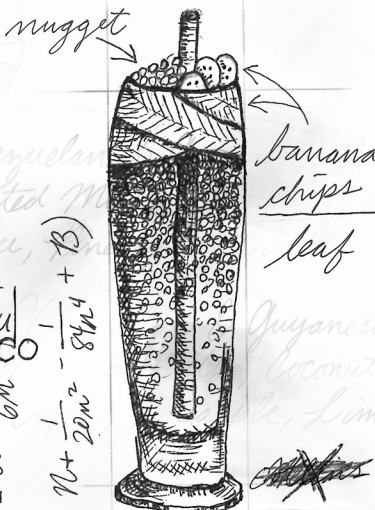
A drunk man's words are a sober man's thoughts.

10	Currents & Coils
Silky + Tropical + Rich	Shaken
For the young at heart. Inspired by a classic malted milkshake, this drink combines rich rums with coconut and malted milk.	

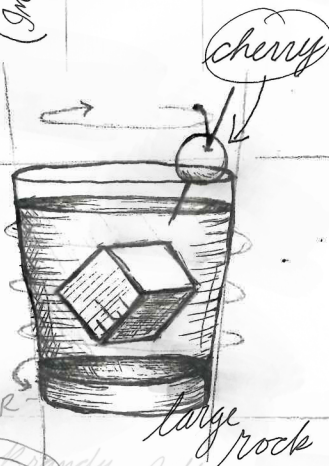
~~10) Rye & Whiskey~~

11	Odd Love
Dark + Strong + Coffee	Stirred
For our take on an old-fashioned, we took a nod to Patent Coffee. Combining Peppery Rye whiskey with cold-brew coffee and bitterness from walnut.	

12	Made from Memory
Warming + Smooth	Layered
Aromatic American gin mixed with earl grey tea. Earthy fig leaf complements the juicy orange and bitter tea tea.	



$$K_m = a - \frac{1}{6m} \left(\ln N + \frac{1}{20m^2} - \frac{1}{84m^4} + B \right)$$



Warming
hot



LEGACY

LUXURIOUS AND RICH.
MIXING PREMIUM SPIRITS WITH INTRICATE PREPARATION.

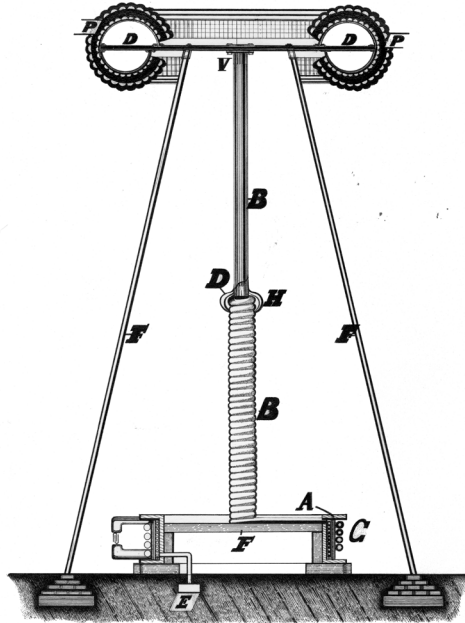


Fig. F1
cut-away view
apparatus for
transmitting
electrical energy

Emerging with a sense of renewed vigor, Tesla racked up achievement after achievement securing his undeniable Legacy. Few people have made such a remarkable impact on the advancement of science and technology. However, never has a man who contributed so much to the world, left it with so little^{F3}, dying penniless and alone^{F4} on a windy and

cold NYC night. During his life he was responsible for a minimum of 278 patents that have greatly influenced the technology we use today^{F5}. Without the dreamers and visionaries like Nikola Tesla, the world we know would be a completely different place. “*The present is theirs; the future, for which I really worked, is mine.*”

MARCONI'S 2ND MIRACLE^{F2} \$32

GENEVER

REPOSADO TEQUILA

LILLET BLANC

APEROL

KAFFIR LIME

JASMINE TEA

TANGERINE PEEL

CLARIFIED MILK

ECLECTIC MESSIAH \$33

SMALL BATCH BOURBON

OVERPROOF JAMAICAN RUM

GREEN CHARTREUSE

AGED AMARO

PISTACHIO

ALMOND

LEMON

IMPOSSIBLE IDEA \$34

SINGLE VILLAGE MEZCAL

BLEND OF AGED RUMS

BLACKENED BANANA

LUXARDO MARASCHINO

OLOROSO SHERRY

NARDINI AMARO

** barrel-aged version available for \$49, please inquire*

LEGACY

LUXURIOUS AND RICH.
MIXING PREMIUM SPIRITS WITH INTRICATE PREPARATION.

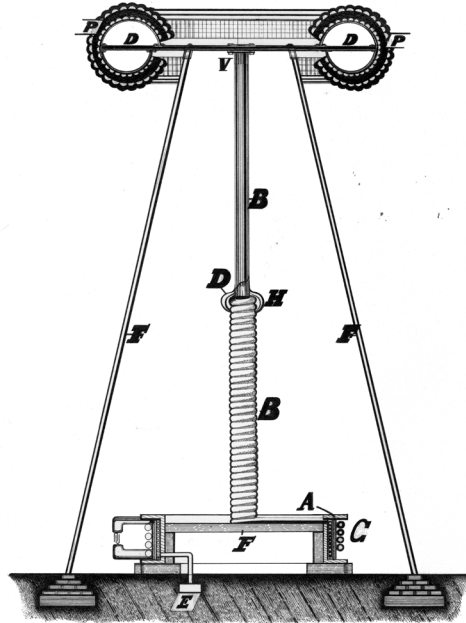
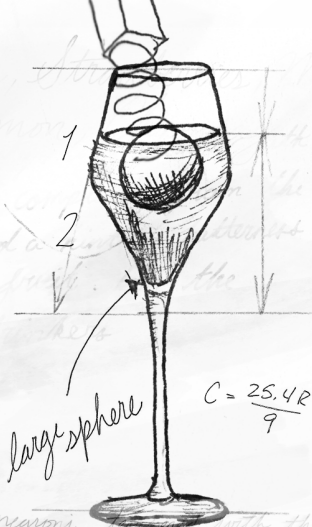


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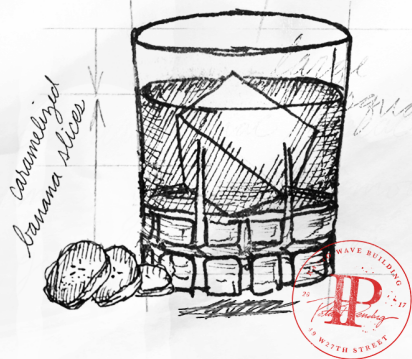
#13	Marconi's Second Miracle	
Silky + Floral + Citrus Oil		four day process
<p>This drink features the unlikely pairing of a richly textured milk punch with the sharp bitterness of the Mexican classic - the Paloma. Jasmine tea adds an additional tannic layer while nutmeg, clove, and bark add nuttiness and roundness.</p>		



#14	Eclectic Messiah	
Fruity + Toasted + Luxurious		Shaken
<p>At once nutty and round as bright and citrusy this is our take on a Mai Tai from the luxury seats. Small batch bourbon and aged amaro provide an elegant and nutty fruity body, while pistachio and cola bitters create contrasting high points — creating an opulent tiki cocktail.</p>		



#15	Impossible Idea	
Rich + Smooth + Opulent		Stirred
<p>Overripe bananas are infused into a dark, unsweetened rum, and then clarified, married with a spicy, roasted Mezcal and a deep, nutty sherry to create a South of the Border concoction that drinks like rich, clean, liquid mole.</p>		



B I T E S

CHIPS	5
BAR NUTS	6
OLIVES & CHEESE PLATE	17
SELECTION OF CHEESE, JAM, OLIVES & TOAST	
CHARCUTERIE PLATE	19
SLICED MEATS, MUSTARD, TOAST & PICKLES	
CRUDITÉS & BABA GHANOUSH	15
SELECTION OF RAW VEGGIES AND DIP (VEGAN)	
GRILLED CHEESE & SOUP	17
MIX OF MUENSTER AND CHEDDAR CHEESE ON FRESH BREAD SERVED WITH TOMATO SOUP	
LOBSTER BAO BUNS (2)	MP
FRESH LOBSTER SERVED ON A SOFT BAO BUN WITH CRISPY LEMON AND ZESTY MAYO	
DEVILED EGGS (3)	15
HARDBOILED EGGS FILLED W/ MUSTARD, HORSERADISH, GARLIC, OLD BAY	
KOREAN FRIED CHICKEN	21
SANDWICH	
ON A WARM POTATO BUN WITH SIDE OF PICKLES	
CRÈME BRÛLÉE	15
SWEET AND SAVORY MIX OF OVERPROOF RUM, BANANA PUREE AND DARK CHOCOLATE	

B E E R

IPA
VARIES
PILSNER
VARIES
STOUT
VARIES

10 / BEER

W I N E

SAUVIGNON BLANC
FRANCE
PINOT NOIR
WILLAMETTE VALLEY, OREGON

CHARDONNAY
CALIFORNIA

CABERNET SAUVIGNON
CALIFORNIA

18 / GLASS

NON - ALC

VIOLET RAY

TIKI MOCKTAIL

DRAGON FRUIT, MACADAMIA NUT,
COCONUT MILK, LIME, PINEAPPLE

CHILD OF LIGHT

TEQUILA SOUR MOCKTAIL

ST MEZCAL ZERO PROOF, BELL PEPPER,
HONEY, LIME

MOTION OF THE UNIVERSE

STIRRED MOCKTAIL

PATHFINDER HEMP & ROOT ZERO PROOF,
LYRE'S AMERICAN MALT, COCOA, CINNAMON,
MAUBU BARK, BAY LEAF

20 / MOCKTAIL

PLEASE NOTE MOCKTAILS

USE PREMIUM NON-ALCHOLIC "SPIRITS"

SPARKLING

PROSECCO

17 / 59

PRIMATERRA PROSECCO

ITALY - D.O.C.

CHAMPAGNE

30 / 145

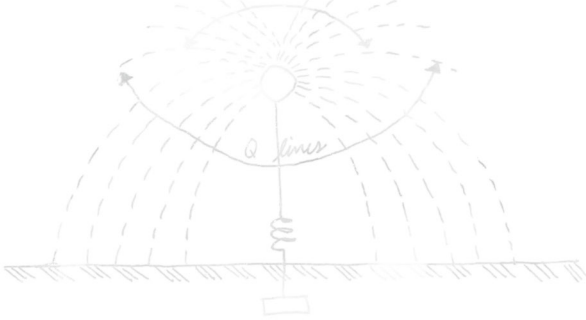
PERRIER - JOUET BRUT

NV



719 749 1454

Life is and will ever remain
an equation incapable of
solution, but it contains
certain known factors.



$$I_{\text{th}} = 4Qn + 4qn$$

$$t_e = 4qn$$

APPENDIX

A1.

BORN IN PRESENT DAY CROATIA, TESLA BECAME A NATURALIZED CITIZEN OF THE UNITED STATES AFTER MOVING TO NEW YORK AT THE AGE OF TWENTY-EIGHT. A YUGOSLAV BY BIRTH, TESLA WOULD BECOME AN ICONIC SYMBOL OF AMERICAN INGENUITY AND A PROMINENT FIXTURE IN THE CITY'S INTELLECTUAL COMMUNITY. A RESIDENT OF THE GERLACH HOTEL (AMONGST OTHERS), AND A PROUD NEW YORKER, HE MADE ALL OF MANHATTAN HIS LABORATORY AS HE FAMOUSLY PACED HER STREETS ABSORBED IN HIS THOUGHTS.

A2.

TESLA HAD MANY QUIRKS IN HIS PERSONALITY TO THE POINT SOME LABELED HIM AS BEING OBSESSIVELY COMPULSIVE (OCD). HE DID THINGS IN THREE'S. HE WOULD OFTEN CLEAN HIS PLATE WITH 18 NAPKINS OR STROLL AROUND THE BLOCK THREE TIMES BEFORE ENTERING A BUILDING.

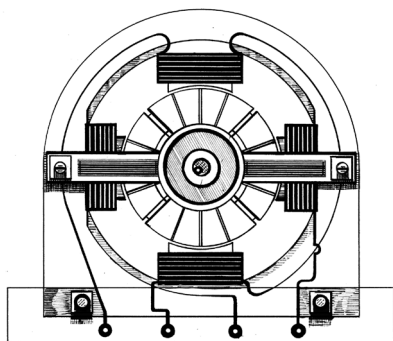


Fig. B1.1
cut away view
AC induction motor

B1.1 & B1.2

ONE OF THE GREATEST INVENTIONS IN TESLA'S EPIC PORTFOLIO, THE AC INDUCTION MOTOR MUST ALSO RANK AMONG THE MOST IMPORTANT INVENTIONS OF ALL TIME. WITH AC THE STANDARD IN VIRTUALLY ALL CURRENT DAY APPLIANCES AND ELECTROMAGNETS AT THE CORE OF MOST PRACTICAL MOTORS, TESLA'S INDUCTION MOTOR IS OFTEN CITED AS A KEY DRIVER OF THE ELECTRIC REVOLUTION.

B2.

BEFORE CONSTRUCTION COULD START THE SPACE HAD TO BE DEMOLISHED. THE TWO ARCHES YOU SEE BEHIND THE BAR WERE NOT KNOWN TO EXIST UNTIL ONE LUCKY FRIDAY NIGHT, ARMED WITH SLEDGEHAMMERS AND CROWBARS, WE UNCOVERED A HIDDEN CAVERN. IN THE DUST, DIRT AND RUBBLE, THE FOLLOWING DAYS REVEALED MANY BURIED TREASURES; NEWSPAPERS FROM AS EARLY AS 1920, HANDMADE CLOTHING, OYSTER SHELLS, FLASKS, MATCHBOOKS, PLAYING CARDS, MILK BOTTLES, AND PEN-INK CONTAINERS.

B3.

IN 1901, ITALIAN PHYSICIST AND TESLA RIVAL, GUGLIELMO MARCONI, WOULD BE THE FIRST TO SEND A TRANSATLANTIC WIRELESS RADIO WAVE. HE DID SO USING TECHNOLOGIES PREVIOUSLY DEVELOPED BY TESLA ("...HE'S USING 17 OF MY PATENTS!"). DESPITE SUBSEQUENT LEGAL ACTION AGAINST HIM, MARCONI WOULD BE WRONGFULLY MEMORIALIZED AS THE FATHER OF RADIO; MUCH TO TESLA'S DISCONTENT.



C1.1, C1.2 & C1.3

THE ELECTROMECHANICAL OSCILLATOR WAS A HIGH-FREQUENCY GENERATOR OF TESLIAN PROPORTIONS. A STEAM POWERED GENERATOR CAPABLE OF CHARGING FLUORESCENT AND INCANDESCENT BULBS, IT WAS ALSO A VIBRATIONAL POWERHOUSE KNOWN TO SHAKE BUILDINGS TO THEIR FOUNDATION. THOUGH IT WEIGHED JUST A FEW POUNDS, TESLA CLAIMED IT COULD TRIGGER EARTHQUAKES! FEARING ITS DESTRUCTIVE POTENTIAL, WHEN THE POLICE SHOWED UP AT HIS LAB, HE SMASHED HIS INVENTION WITH A HAMMER AND SWORE HIS STAFF TO SILENCE.

C2

THESE AND MANY OTHER NOTABLE FIGURES OF THE TIME WERE IN FACT TESLA'S PERSONAL FRIENDS (AND OCCASIONAL FRENEMIES). WHEN HE WASN'T ABSORBED WITH ELECTRICAL CURRENTS, THE GREAT SCIENTIST COULD BE FOUND CONVERSING WITH FAMOUS FRIENDS IN THE GREAT DINING ROOMS AND RESTAURANTS OF NEW YORK. HIS FRIEND JULIAN HAWTHORNE NOTABLY DESCRIBED HIM AS, "A POET, A PHILOSOPHER, AN APPRECIATOR OF FINE MUSIC, A LINGUIST, AND A CONNOISSEUR OF FOOD AND DRINK."

C3

A MAN OF PRINCIPLE, TESLA STRICTLY OBEYED THE LAW OF THE LAND HOWEVER MUCH HE DISAGREED. THOUGH HE'D CONSUMED ENOUGH ALCOHOL TO (IN HIS WORDS): "FORM A LAKE OF NO MEAN DIMENSIONS", HE MANAGED TO ABSTAIN FROM DRINK FOR AS LONG AS IT WAS FORBIDDEN.

C4

THOUGH HE MAINTAINED A RIGOROUS DIET AND AVOIDED ALL TYPES OF STIMULANTS SUCH AS COFFEE AND TEA, TESLA BELIEVED DEEPLY IN THE RESTORATIVE VALUE OF ALCOHOL AND WAS VOCIFEROUS PROPONENT OF ITS LEGALIZATION. DURING HIS LIFETIME, HE WOULD PUBLISH VARIOUS ARTICLES DECRYING PROHIBITION AND ONCE CLAIMED THAT ALCOHOL WAS LESS DANGEROUS THAN CHEWING GUM!

D1.1 & D1.2

IN NEARBY MADISON SQUARE GARDEN, TESLA UNVEILED THE WORLD'S FIRST REMOTE-CONTROLLED BOAT. TO THE ASSEMBLED CROWD, THE BOAT APPEARED TO MOVE BY MAGIC. TESLA'S PROTOTYPE WAS IN FACT RESPONDING TO RADIO IMPULSES. OF THAT FIRST BOAT TESLA WROTE: "YOU DO NOT SEE THERE A WIRELESS TORPEDO; YOU SEE THERE THE FIRST OF A RACE OF ROBOTS, MECHANICAL MEN WHICH WILL DO THE LABORIOUS WORK OF THE HUMAN RACE."

D2

IMPROVEMENT OF THE ALTERNATING CURRENT ELECTRICITY SUPPLY SYSTEM IS TESLA'S SIGNATURE INNOVATION. IT'S PERHAPS THE MOST SIGNIFICANT ADVANCE OF THE 20TH-CENTURY. WITH OBVIOUS ADVANTAGES OVER DIRECT CURRENT, IN TRANSFERABILITY (PARTICULARLY OVER DISTANCE), ECONOMY AND SAFETY, IT IS STILL TODAY THE WORLD'S STANDARD.

D3

AFTER ARRIVING IN NEW YORK AND BEING HIRED BY THOMAS EDISON, TESLA FAMOUSLY SLEPT NO MORE THAN TWO HOURS A NIGHT, FREQUENTLY LEAVING EDISON'S LAB ONLY AS HIS CONTEMPORARIES WERE ARRIVING EARLY IN THE MORNING! HE WROTE EXTENSIVELY ABOUT THE SUPERFLUOUS NATURE OF SLEEP, AND ATTRIBUTED HIS TREMENDOUS THINKING POWER TO THIS DISCIPLINE.

D4

AFTER LEAVING EDISON'S COMPANY DUE TO LACK OF PROPER COMPENSATION, TESLA WENT ON TO RECEIVE FINANCIAL BACKING FROM GEORGE WESTINGHOUSE AND J.P. MORGAN, INVESTORS WHO SAW A FINANCIAL OPPORTUNITY. TESLA WOULD END UP BEING CREDITED WITH AT LEAST 300 PATENTS (INCLUDING INTERNATIONAL CLAIMS). THE DEPTH OF TESLA'S TECHNICAL CONTRIBUTIONS IS TOO RARELY RECOGNIZED IN POPULAR CULTURE.

Solid-State ~~Radio~~ Coil

$$L = \mu_0 \frac{1}{2} N^2 K - \mu_0 \frac{D}{2} N (K_S + K_M - K_F) [H]$$

$$f = \frac{1}{2\pi\sqrt{LC}}$$

E1 & E2

THOUGH THE DISCOVERY OF X-RAYS IS OFFICIALLY CREDITED TO GERMAN ENGINEER WILHELM RÖNTGEN, IT WAS TESLA WHO FIRST HAPPENED UPON "RADIANT ENERGY OF INVISIBLE KINDS," IN THE COURSE OF OTHER EXPERIMENTS. IN TRUE GENTLEMANLY FASHION, TESLA DID NOT DISPUTE RÖNTGEN'S CLAIM BUT INSTEAD SET TO WORK IMPROVING THE TECHNOLOGY. BY INCORPORATING HIS "TESLA COIL" HE WAS ABLE TO SEE DEEPER: NOT JUST HANDS BUT SKULLS AS WELL.

E3

THE END OF TESLA'S LIFE WAS MARKED BY AN APPARENT DIMINISHMENT OF HIS SENSES. NEVER WAS HIS PSYCHIC FRAGILITY MORE APPARENT THAN IN THE AFTERMATH OF THE CANAL STREET FIRE WHICH CONSUMED HIS LABORATORY. AT A PRECARIOUS POINT IN HIS LIFE, TESLA WOULD NOT BE SPARED RUINOUS GOSSIP. PARTISAN OBSERVERS WONDERED PUBLICLY WHETHER AC ELECTRICITY WAS NOT TO BLAME FOR THE FIRE, AND FALSE RUMORS CONVINCED MANY IT WAS.

E4

THE MOUNTING RIVALRY BETWEEN WESTINGHOUSE ELECTRIC COMPANY (USED TESLA'S AC) AND THE EDISON ELECTRIC LIGHT COMPANY (DC BACKERS) GREW SO INTENSE AS TO BE LABELED, 'THE WAR OF CURRENTS.' IN AN ATTEMPT TO PUBLICLY DEMONSTRATE THE FRIGHTENING VOLATILITY OF THE WESTINGHOUSE PRODUCT, EDISON ARRANGED FOR AN ELECTRIC CHAIR EXECUTION TO BE CARRIED OUT WITH AN ALTERNATING CURRENT. PREDICTABLY, EDISON'S DEMONSTRATION WOULD BACKFIRE IN GRAND FASHION. A SPUTTERING, FRUSTRATED AND UTTERLY INHUMAN EXECUTION WAS THE RESULT OF AN APPLIED CURRENT APPARENTLY SO SAFE THAT IT COULDN'T BE INTENTIONALLY MISUSED! GEORGE WESTINGHOUSE FAMOUSLY WAS QUOTED EXCLAIMING, "THEY WOULD HAVE DONE BETTER USING AN AXE!"

E5

AS A PASSIONATE AVICULTURIST, TESLA FORMED A COMPANIONSHIP WITH THE PIGEONS OF NEW YORK THAT HE NEVER EXPERIENCED IN HUMAN COMPANY. HE KEPT AND CARED FOR, DEvised COMPLEX MECHANICAL INSTRUMENTS TO HEAL THE WOUNDS OF, AND EVEN FOUND PERSONAL VALIDATION IN HIS ENCOUNTER WITH A PARTICULAR PIGEON (LOOK UP, LOOK AROUND MAYBE YOU'VE SEEN HER?): "AS LONG AS I HAD HER, THERE WAS A PURPOSE TO MY LIFE."

E6

LATER IN LIFE, A CONTEMPLATIVE TESLA WOULD WONDER IF HE HAD MADE "TOO GREAT A SACRIFICE" IN NEVER MARRYING. WHILE IT'S TRUE THAT TESLA BORE NO CHILDREN, THE TREMENDOUS REACH AND SCALE OF HIS SCIENTIFIC AND TECHNOLOGICAL ACCOMPLISHMENTS HAVE TRANSFORMED OUR WORLD IN UNTHINKABLE WAYS. HIS PERSONAL AND FINANCIAL WOES TOOK A TOLL. TEARING UP HIS PROFIT SHARING AGREEMENT WITH WESTINGHOUSE ELECTRIC WAS PROBABLY THE WORST FINANCIAL DECISION OF HIS LIFE.

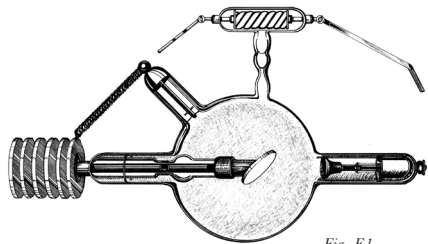


Fig. E1
section view
x-ray machine (Röntgen)

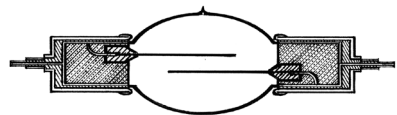


Fig. E2
left view
x-ray light bulb (Tesla)

F1

1,119,732. SPECIFICATION OF LETTERS
PATENT. PATENTED DEC. 1, 1914.
APPLICATION FILED JANUARY 18, 1902.
SERIAL NO. 90,245. RENEWED MAY
4, 1907. SERIAL NO. 371,817.

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT I, NIKOLA TESLA,
A CITIZEN OF THE UNITED STATES,
RESIDING IN THE BOROUGH OF
MANHATTAN, IN THE CITY, COUNTY,
AND STATE OF NEW YORK, HAVE
INVENTED CERTAIN NEW AND USEFUL
IMPROVEMENTS IN APPARATUS FOR
TRANSMITTING ELECTRICAL ENERGY,
OF WHICH THE FOLLOWING IS A
SPECIFICATION, REFERENCE BEING HAD
TO THE DRAWINGS ACCOMPANYING AND
FORMING A PART OF THE SAME.

IN ENDEAVORING TO ADAPT CURRENTS
OR DISCHARGES OF VERY HIGH TENSION
TO VARIOUS VALUABLE USES, AS THE
DISTRIBUTION OF ENERGY THROUGH
WIRES FROM CENTRAL PLANTS TO
DISTANT PLACES OF CONSUMPTION,
OR THE TRANSMISSION OF POWERFUL
DISTURBANCES TO GREAT DISTANCES,
THROUGH THE NATURAL OR NON-
ARTIFICIAL MEDIA, I HAVE ENCOUNTERED
DIFFICULTIES IN CONFINING
CONSIDERABLE AMOUNTS OF ELECTRICITY
TO THE CONDUCTORS AND PREVENTING
ITS LEAKAGE OVER THEIR SUPPORTS,
OR ITS ESCAPE INTO THE AMBIENT AIR,
WHICH ALWAYS TAKES PLACE WHEN THE
ELECTRIC SURFACE DENSITY REACHES A
CERTAIN VALUE...

F2

AT THE TURN OF THE 20TH CENTURY,
MARCONI BEGAN INVESTIGATING
A MEANS TO SIGNAL ACROSS THE
ATLANTIC IN ORDER TO COMPETE
WITH THE TRANSATLANTIC TELEGRAPH
CABLES. MARCONI ESTABLISHED A
WIRELESS TRANSMITTING STATION
AT MARCONI HOUSE, ROSSLARE
STRAND, CO. WEXFORD IN 1901 TO
ACT AS A LINK BETWEEN POLDHU IN
CORNWALL, ENGLAND AND CLIFDEN
IN CO. GALWAY, IRELAND. HE SOON
MADE THE ANNOUNCEMENT THAT THE
MESSAGE WAS RECEIVED AT SIGNAL
HILL IN ST JOHN'S, NEWFOUNDLAND
(NOW PART OF CANADA) ON 12
DECEMBER 1901, USING A 500-
FOOT (150 M) KITE-SUPPORTED
ANTENNA FOR RECEPTION—SIGNALS
TRANSMITTED BY THE COMPANY'S
NEW HIGH-POWER STATION AT
POLDHU, CORNWALL. THE DISTANCE
BETWEEN THE TWO POINTS WAS
ABOUT 2,200 MILES (3,500 KM). IT WAS
HERALDED AS A GREAT SCIENTIFIC
ADVANCE, YET THERE ALSO WAS—AND
CONTINUES TO BE—CONSIDERABLE
SCEPTICISM ABOUT THIS CLAIM.

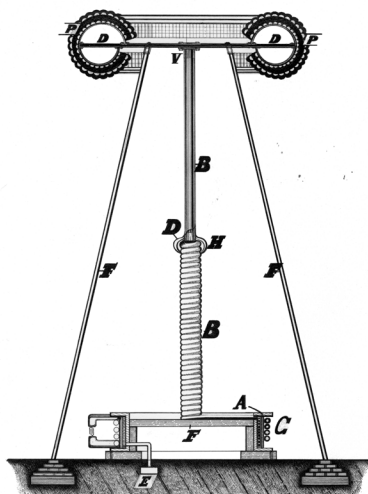


Fig. F1
cut-away view
apparatus for transmitting
electrical energy

F 3

SHORTLY BEFORE HIS DEATH, TESLA WAS SHOWN WESTINGHOUSE'S LATEST RADIO SET AND INSTANTLY NOTICED THAT THEY WERE INFRINGING ON HIS WIRELESS PATENTS. HE TRIED TO PUT UP A FIGHT BUT WAS IN NO POSITION, FINANCIALLY AND PHYSICALLY TO TAKE ON A LARGE CORPORATION. WESTINGHOUSE AND TESLA WORKED OUT A DEAL THAT WOULD PAY TESLA A \$125 MONTHLY CONSULTING FEE AS WELL AS HIS ROOM AND BOARD AT THE NEW YORKER HOTEL, WHERE HE LIVED OUT HIS REMAINING TIME.

F 4

TESLA PASSED AWAY PEACEFULLY IN ROOM #3327 ON THE 33RD FLOOR (BOTH DIVISIBLE BY THREE) AT THE HOTEL NEW YORKER ON JANUARY 7TH, 1943. TWO DAYS LATER THE FBI WAS CALLED TO OPEN HIS SAFE AND REVIEW ALL MATERIALS TO SEE IF THERE WAS ANY INFORMATION THAT COULD BE HELPFUL IN THE WAR EFFORT. NO RELEVANT MATERIALS WERE RECOVERED. THE WYNDHAM NEW YORKER HOTEL HOSTS A CONVENTION EVERY YEAR AROUND THE ANNIVERSARY OF HIS DEATH "TO UPHOLD THE LEGACY OF THE WORLD RENOWNED SCIENTIST AS WELL AS EDUCATE AND ENLIGHTEN THOSE THAT ATTEND".

F 5

TESLA'S INVENTIONS HAVE INFLUENCED COUNTLESS MODERN DAY SCIENTISTS AND THE TECHNOLOGY WE USED TODAY. ELECTRIC POWER GENERATION AND TRANSMISSION, ELECTRIC MOTORS, WIRELESS TECHNOLOGY, REMOTE CONTROLS AND VERTICAL TAKEOFF AIRPLANES WERE BUILT OFF HIS INITIAL DESIGNS. HIS NAME ALSO INFLUENCED THE WORLD'S BEST KNOWN ELECTRIC CAR COMPANY AND THE MAGNETIC FIELD STRENGTH OF MRI SCANNERS ARE APTLY MEASURED IN, "TESLA'S".



US PATENTS GRANTED TO NIKOLA TESLA

ALTERNATING CURRENT
ELECTROMAGNETIC MOTOR

ALTERNATING CURRENT MOTOR

ALTERNATING ELECTRIC CURRENT
GENERATOR

ALTERNATING MOTOR

APPARATUS FOR AERIAL
TRANSPORTATION

APPARATUS FOR PRODUCING CURRENTS
OF HIGH FREQUENCY

APPARATUS FOR PRODUCING ELECTRIC
CURRENTS OF HIGH FREQUENCY

APPARATUS FOR PRODUCING ELECTRIC
CURRENTS OF HIGH FREQUENCY AND
POTENTIAL

APPARATUS FOR PRODUCING
ELECTRICAL CURRENTS OF HIGH
FREQUENCY

APPARATUS FOR PRODUCING OZONE

APPARATUS FOR THE UTILIZATION OF
RADIANT ENERGY

APPARATUS FOR TRANSMISSION OF
ELECTRICAL ENERGY

APPARATUS FOR TRANSMITTING
ELECTRICAL ENERGY

APPARATUS FOR UTILIZING EFFECTS
TRANSMITTED
FROM A DISTANCE TO A RECEIVING
DEVICETHROUGH NATURAL MEDIA

APPARATUS FOR UTILIZING EFFECTS
TRANSMITTED THROUGH NATURAL
MEDIA

ARMATURE FOR ELECTRIC MACHINES
(A. SCHMID & N. TESLA)

ART OF TRANSMITTING ELECTRICAL
ENERGY THROUGH THE NATURAL
MEDIUMS

COIL FOR ELECTRO MAGNETS

COMMUTATOR FOR DYNAMO ELECTRIC
MACHINES

COMMUTATOR FOR DYNAMO ELECTRIC
MACHINES

DYNAMO ELECTRIC MACHINE

DYNAMO ELECTRIC MACHINE

DYNAMO ELECTRIC MACHINE

DYNAMO ELECTRIC MACHINE

DYNAMO ELECTRIC MACHINE OR MOTOR

ELECTRIC ARC LAMP

ELECTRIC ARC LAMP

ELECTRIC CIRCUIT CONTROLLER

ELECTRIC CIRCUIT CONTROLLER

ELECTRIC CIRCUIT CONTROLLER

ELECTRIC CIRCUIT CONTROLLER

ELECTRIC CIRCUIT CONTROLLER

ELECTRIC CIRCUIT CONTROLLER

ELECTRIC GENERATOR

ELECTRIC INCANDESCENT LAMP

ELECTRIC MOTOR

ELECTRIC RAILWAY SYSTEM

ELECTRICAL CIRCUIT CONTROLLER

ELECTRICAL CIRCUIT CONTROLLER

ELECTRICAL CONDENSER

ELECTRICAL CONDENSER

ELECTRICAL CONDUCTOR

ELECTRICAL IGNITER FOR GAS ENGINES

ELECTRICAL METER

ELECTRICAL METER

ELECTRICAL TRANSFORMER

ELECTRICAL TRANSFORMER OR
INDUCTION DEVICE

ELECTRICAL TRANSMISSION OF POWER

ELECTRICAL TRANSMISSION OF POWER

ELECTRICAL TRANSMISSION OF POWER

ELECTRICAL TRANSMISSION OF POWER

ELECTRO MAGNETIC MOTOR

ELECTRO MAGNETIC MOTOR

ELECTRO MAGNETIC MOTOR

ELECTRO MAGNETIC MOTOR

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ELECTRO MAGNETIC MOTOR
ELECTRO MAGNETIC MOTOR
ELECTRO MAGNETIC MOTOR
ELECTROMAGNETIC MOTOR
FLOW METER
FLUID PROPULSION
FOUNTAIN
FREQUENCY METER
INCANDESCENT ELECTRIC LIGHT
LIGHTNING PROTECTOR
MANUFACTURE OF ELECTRICAL
CONDENSERS, COILS, &C
MEANS FOR GENERATING ELECTRIC
CURRENTS
MEANS FOR INCREASING THE INTENSITY
OF ELECTRICAL OSCILLATIONS
METHOD OF AERIAL TRANSPORTATION
METHOD OF AND APPARATUS FOR
CONTROLLING MECHANISM OF MOVING
VESSELS OR VEHICLES
METHOD OF AND APPARATUS FOR
ELECTRICAL CONVERSION AND
DISTRIBUTION
METHOD OF AND APPARATUS FOR
PRODUCING CURRENTS OF HIGH
FREQUENCY
METHOD OF CONVERTING AND
DISTRIBUTING ELECTRIC CURRENTS
METHOD OF ELECTRICAL POWER
TRANSMISSION
METHOD OF INSULATING ELECTRIC
CONDUCTORS
METHOD OF INSULATING ELECTRIC
CONDUCTORS
METHOD OF INTENSIFYING AND
UTILIZING EFFECTS TRANSMITTED
THROUGH NATURAL MEDIA
METHOD OF OBTAINING DIRECT FROM
ALTERNATING CURRENTS

METHOD OF OPERATING ARC LAMPS
METHOD OF OPERATING
ELECTROMAGNETIC MOTORS
METHOD OF OPERATING
ELECTROMAGNETIC MOTORS
METHOD OF REGULATING APPARATUS
FOR PRODUCING CURRENTS OF HIGH
FREQUENCY
METHOD OF SIGNALING
METHOD OF UTILIZING EFFECTS
TRANSMITTED THROUGH NATURAL
MEDIA
METHOD OF UTILIZING RADIANT
ENERGY
PYROMAGNETO ELECTRIC GENERATOR
RECIPROCATING ENGINE
REGULATOR FOR ALTERNATE
CURRENT MOTORS
REGULATOR FOR DYNAMO ELECTRIC
MACHINES
REGULATOR FOR DYNAMO ELECTRIC
MACHINES
REGULATOR FOR DYNAMO ELECTRIC
MACHINES
SHIP'S LOG
SPEED INDICATOR
SPEED INDICATOR
STEAM ENGINE
SYSTEM OF ELECTRIC LIGHTING
SYSTEM OF ELECTRICAL DISTRIBUTION
SYSTEM OF ELECTRICAL DISTRIBUTION
SYSTEM OF ELECTRICAL POWER
TRANSMISSION
SYSTEM OF ELECTRICAL TRANSMISSION
OF POWER
SYSTEM OF SIGNALING
SYSTEM OF TRANSMISSION OF
ELECTRICAL ENERGY
THERMO MAGNETIC MOTOR
TURBINE
VALVULAR CONDUIT

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