



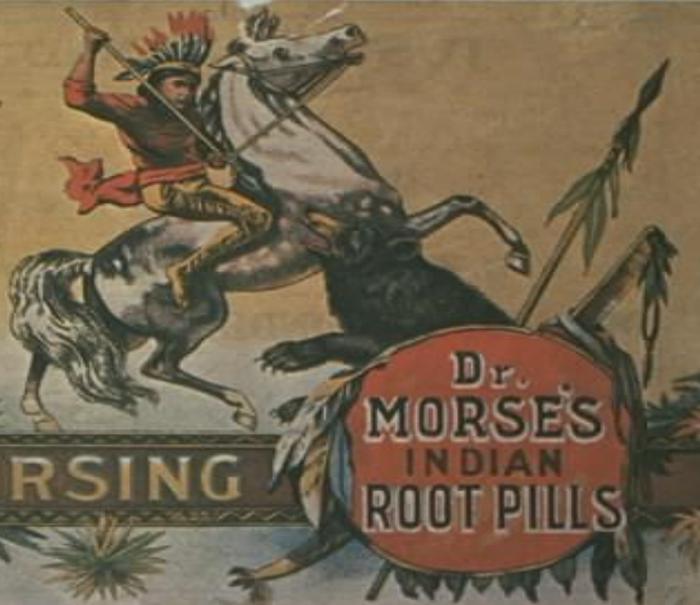
Pain Pills



The drug of Choice during 1800's

TONICS AND BITTERS

People placed great reliance on tonics and bitters to maintain health and to cure a truly remarkable range of maladies, as the Brown's Iron Bitters label (right) proclaims. The ingredients were never divulged, but most tonics relied upon alcohol or opium for their soothing effect.



WARNER'S SAFE CURE ALMANAC 1892



HOW TO MAKE MONEY
SEE PAGES 24 AND 25.

H. H. WARNER & CO.
LABORATORIES:
LONDON, ENGLAND.
ROCHESTER, NEW YORK.
FRANKFURT, GERMANY.
MELBOURNE, AUSTRALIA.
TORONTO, CANADA.
KUNZLINGEN, SWITZERLAND.
DUNEDIN, NEW ZEALAND.

WARNER'S
**SAFE
CURE**
KIDNEY AND LIVER
DROPPET'S DISEASE
URINARY DISORDERS
RHEUMATISM
GENERAL DEBILITY
MALARIA
SAFE

Law
State & National

It was everywhere!



QUALITY PURITY
NOT QUANTITY

TRADE MARK
BEWARE OF IMITATIONS

**BROWN'S
IRON
BITTERS**

**BROWN'S
IRON BITTERS
A TRUE TONIC**

A CERTAIN CURE FOR DISEASES REQUIRING A COMPLETE TONIC. INDIGESTION, DYSPEPSIA, INTERMITTENT FEVER, WANT OF APPETITE, LOSS OF STRENGTH, LACK OF ENERGY, MALARIA AND MALARIAL FEVERS, &c REMOVES ALL SYMPTOMS OF DECAY IN LIVER, KIDNEYS AND BOWELS. ASSISTING THE HEALTHY ACTION ALL FUNCTIONS OF THESE GREAT ORGANS OF LIFE. ENRICHES THE BLOOD, STRENGTHENS THE MUSCLES AND GIVES NEW LIFE TO THE NERVES.

BURROUGHS-GILES LITH. CO. N.Y.



THE GREAT BLOOD PURIFIER

VEGETINE

VEGETINE

Opium-Mom's best friend!!

DOOD MORNIN!
I HAPPY BABY.



TAUSE MY MAMMA ALWAYS USES
**TARRANT'S
SELTZER
APERIENT.**

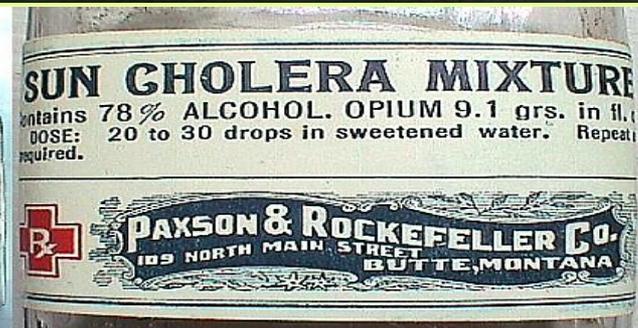
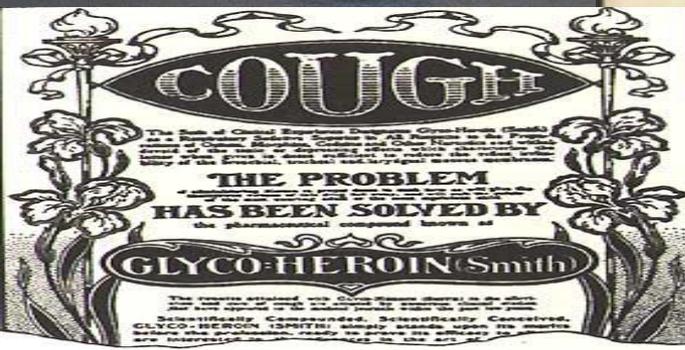
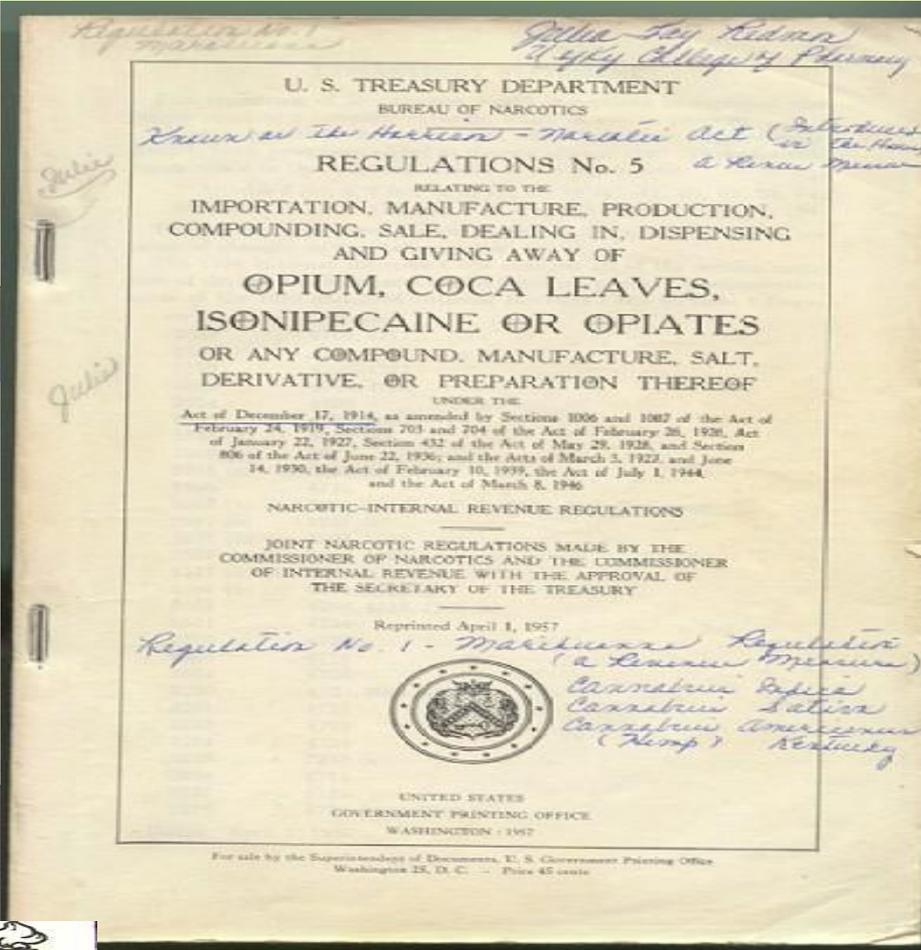
This is a vintage advertisement for Tarrant's Seltzer Aperient. It features a central illustration of a baby with a large, round face, wearing a blue dress with a white collar and a red sash. The baby is smiling and looking slightly to the right. The background is a simple, textured brown. The text is arranged around the baby: at the top, 'DOOD MORNIN!' and 'I HAPPY BABY.' in a stylized, hand-drawn font; at the bottom, 'TAUSE MY MAMMA ALWAYS USES' in a smaller font, followed by 'TARRANT'S Seltzer APERIENT.' in a larger, bold, serif font.

DR. HAND'S
Remedies for Children.

Pleasant Physic, Colic Cure, Teething Lotion, Worm Elixir, Diarrhoea, Mixture, General Tonic, Cough and Croup Medicine, Chafing Powder.

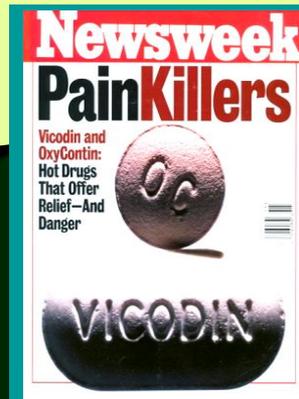


This is a vintage advertisement for Dr. Hand's Remedies for Children. It features a central illustration of a young girl with curly hair, wearing a blue dress with a white collar and a white sash, hugging a large black dog. The background is a soft, painterly landscape with trees and a blue sky. The text is arranged at the top: 'DR. HAND'S' in a bold, serif font, followed by 'Remedies for Children.' in a slightly smaller, bold, serif font. Below this, a list of remedies is written in a smaller, italicized font: 'Pleasant Physic, Colic Cure, Teething Lotion, Worm Elixir, Diarrhoea, Mixture, General Tonic, Cough and Croup Medicine, Chafing Powder.'



Terms:

- Opium – fluid obtained from the poppy plant
- Opiates – naturally occurring substance from the opium poppy that has pain relieving properties
- Opioids – synthetic drugs that act like morphine and are very effective pain relievers

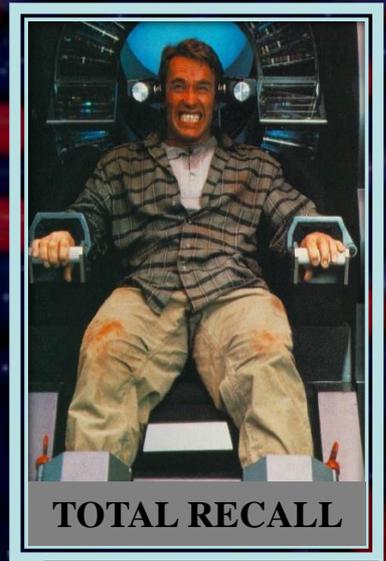


Pain Pills

are prescribed 4



**PAIN IS ALWAYS
SUBJECTIVE AND CAN
NEVER BE PROVED OR
DISPROVED.**



PRESCRIPTIONS

This pain assessment tool is intended to help patient care providers assess pain according to individual patient needs. Explain and use 0-10 Scale for patient self-assessment. Use the faces or behavioral observations to interpret his/her pain intensity.

MODERATE

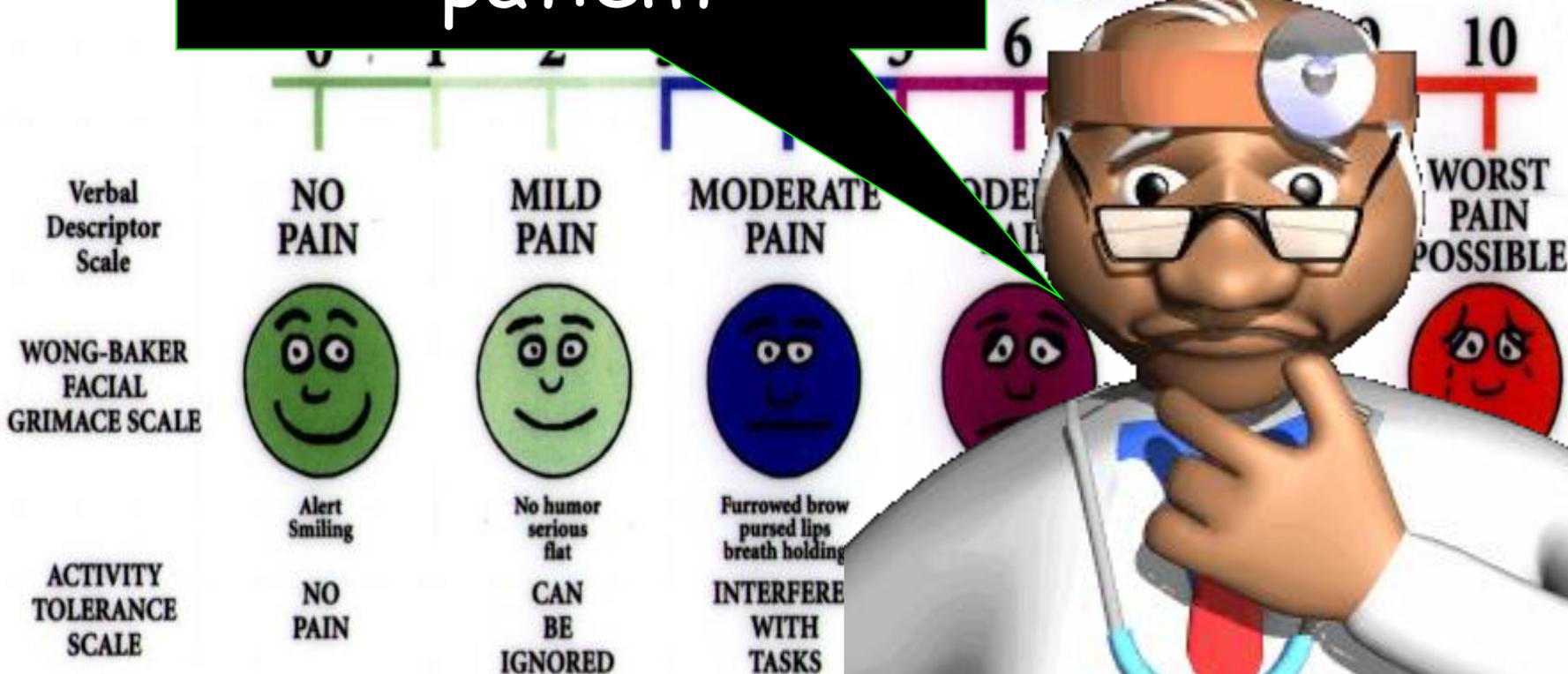
UN

This p
E

In order to treat the patient you must believe the patient

SSMENT TOOL

ss pain according to individual patient needs. or behavioral observations to interpret his/her pain intensity.



Opioid Receptors

Receptor types

 mu, delta, kappa

Receptors located throughout body

 Pain relief: central and peripheral nervous system

 Reward and reinforcement: deep brain structures

 Side effects: constipation, sedation, itch, mental status changes

Receptor interactions

 Full agonists

 Partial agonists

 Antagonists

Endogenous Opioids







 Produced naturally in body

 Act on opioid receptors

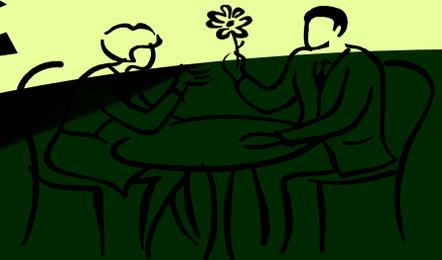
 Examples: endorphins, enkephalins, dynorphins, endomorphine

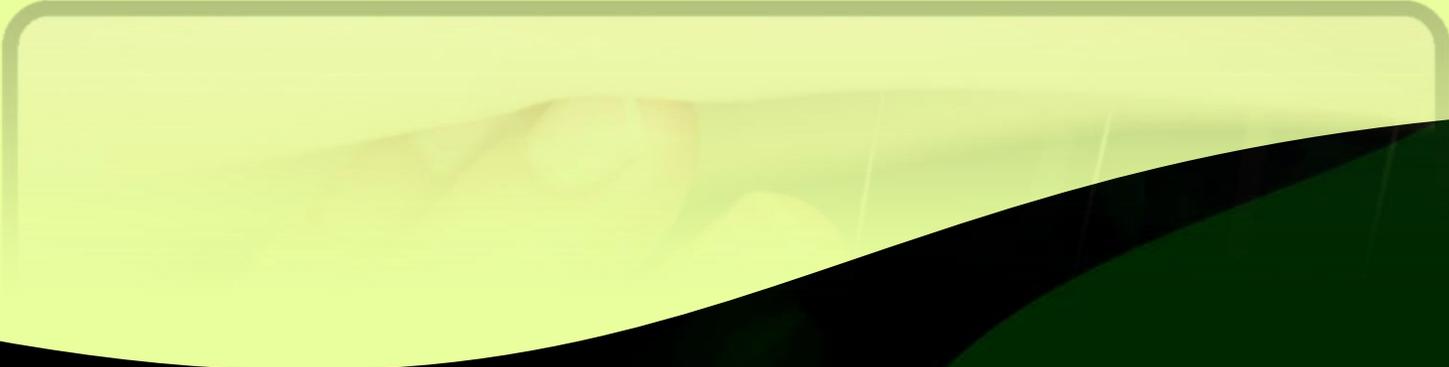
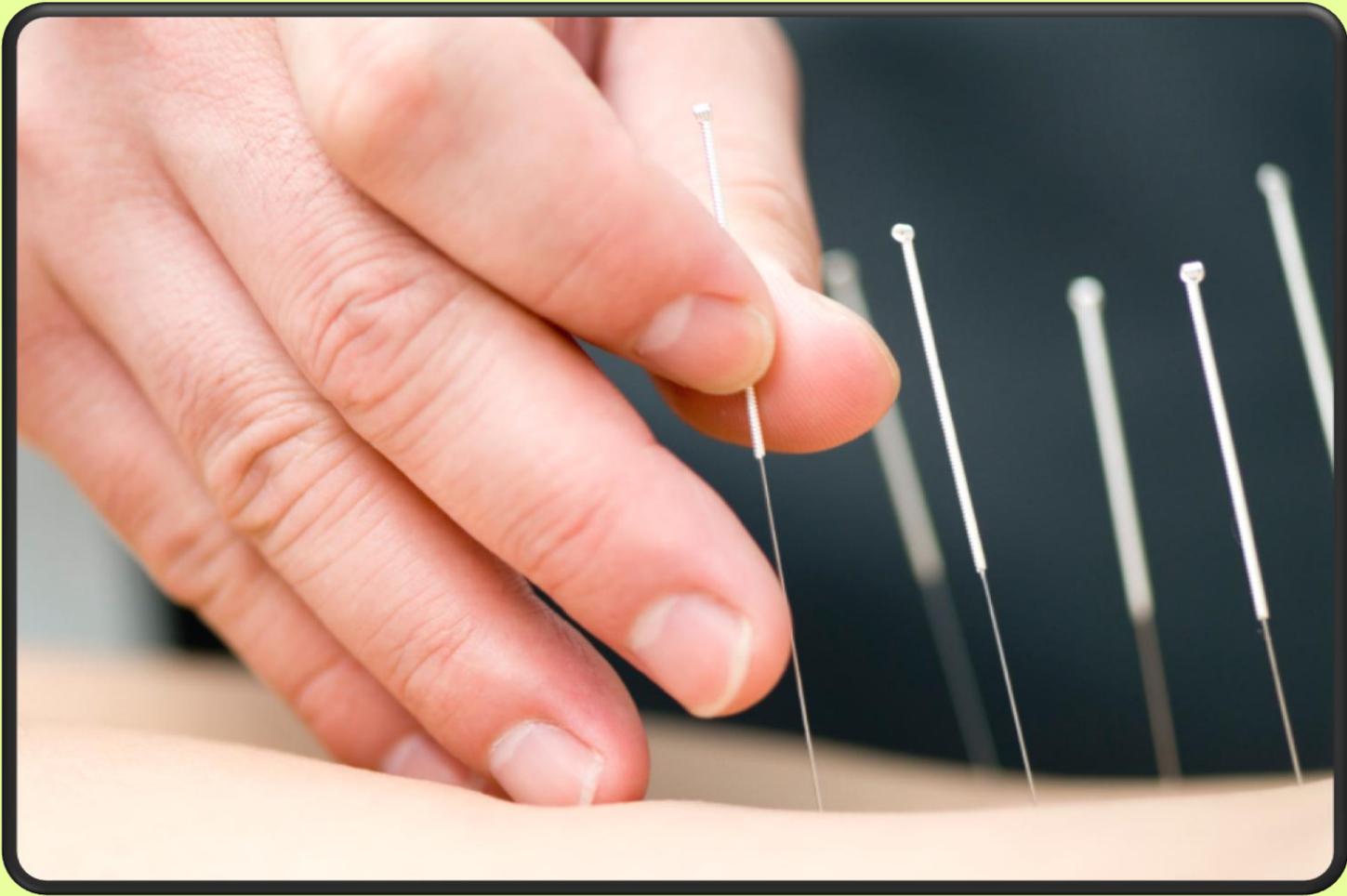
 Produce euphoria and pain relief;
*naturally increased when one feels pain
or experiences pleasure*



How Painkillers Work

- ☹ Many act like **endorphins & other natural pain relievers**
 - ☹ activate the same receptor sites in the brain
 - ☹ Body produces at least 20 different types of endorphins







- 🌶️ Capsaicin contacts tongue
- 🌶️ Body is tricked
- 🌶️ Believes it's in pain
- 🌶️ Releases pain-relieving endorphins





OIH

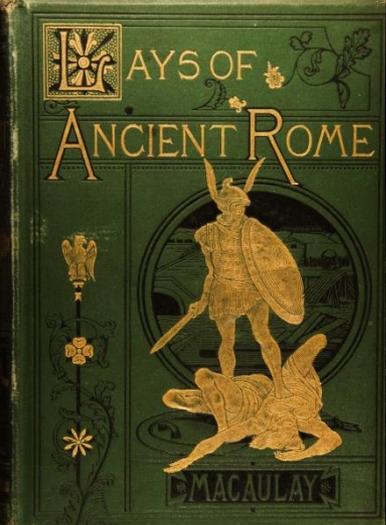


Opioid Induced Hyperalgesia

 Hyperalgesia - excessive sensitiveness or sensibility to pain

 = Addiction





FROM RUSSIA WITH LOVE



TIME

Desomorphine



a.k.a. – krokodil



Codeine (OTC)



gasoline, hydrochloric acid, red phosphorous, iodine, paint thinner



**65 million doses seized
Jan-March**

RUSSIA

RUSSIA