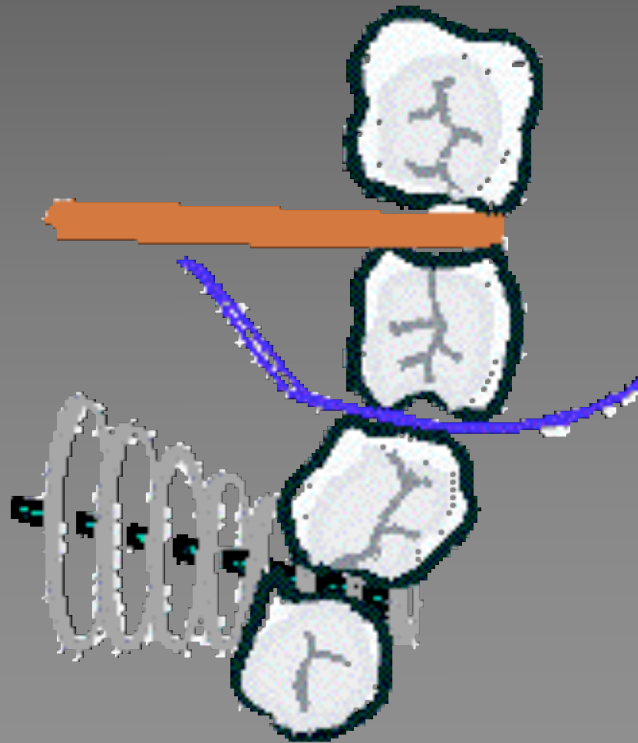


**Interdental areas  
are the most vulnerable area  
for periodontal disease**



# Floss

## Waxed or unwaxed

– eg. Oral B, Butler, Johnson & Johnson

- Fiber floss

– eg. Glide, Oral B Satin floss

- Flavored, whitening, woven etc.

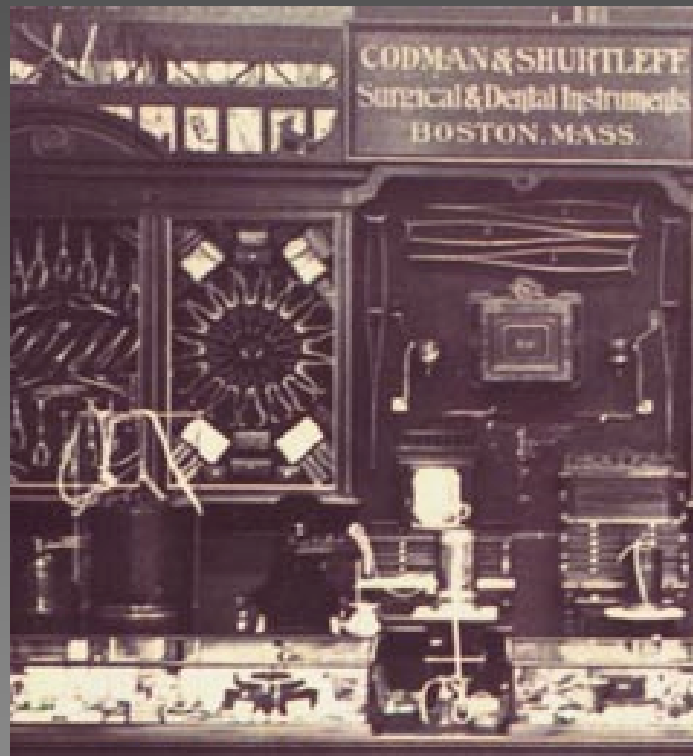
– eg. Supersmile, Johnson & Johnson

# Dental Floss

Levi Spear Parmly (1790-1859), a New Orleans dentist is credited as being the inventor of modern dental floss. Parmly promoted flossing with a piece of silk thread in 1815.



# *Codman & Shurtleff, 1800s*



- 1874, the first recorded patent for dental floss issued to Asahel M. Shurtleff
- 1882 Codman & Shurtleff started marketing unwaxed silk dental floss

# *Early Suture Products*



- Johnson & Johnson that first made dental floss widely available
- Since 1887 sterile catgut and silk sutures were the first mass-produced sterile dressings for surgery
- J&J took out a patent for dental floss in 1898

# Packaged Floss



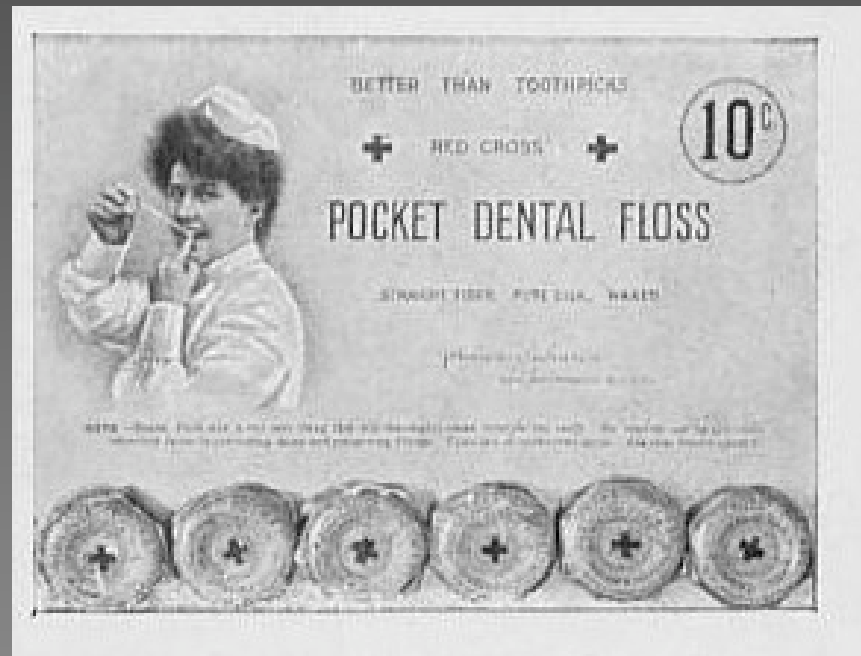
- Leftover silk from suture production was made into dental floss that could be produced in quantity and packaged to make it affordable

# Lister Dental Floss Ad and Product, 1913



- Lister Dental Floss impregnated with an antiseptic .

# ***Dental Floss Ad from 1914, “Better Than Toothpicks”***



- Drugstore counter display illustrates a woman vigorously flossing her teeth

# ***Early Pocket Dental Floss Package with Built-In Cutter***



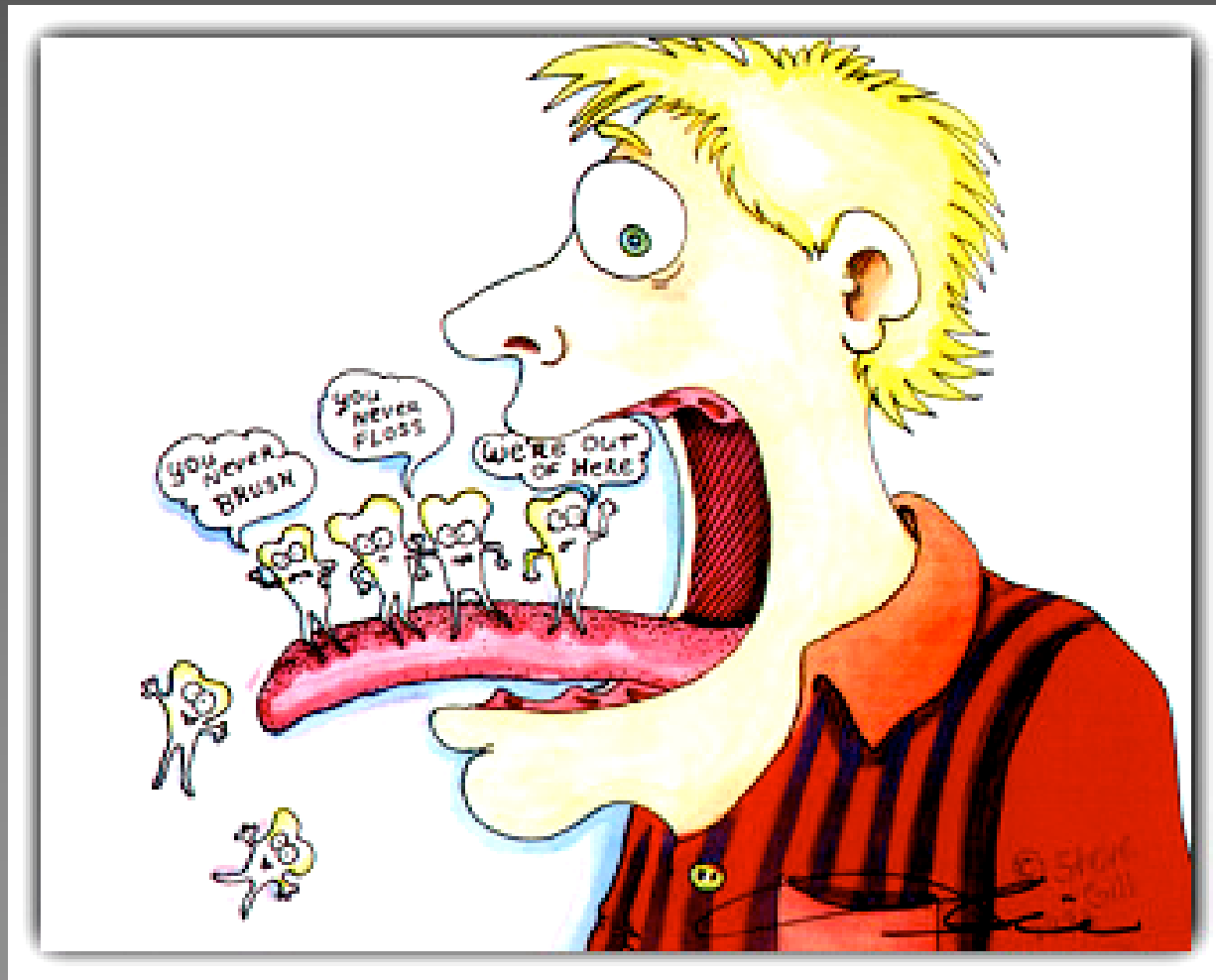
- 1898 plain and waxed silk floss in 12 and 24 yard spools
- Packages had a built-in cutting device

# Nylon Floss



- 1941, due to the demand for silk to make parachutes for World War II, the Company switched to nylon for its dental floss

# Floss

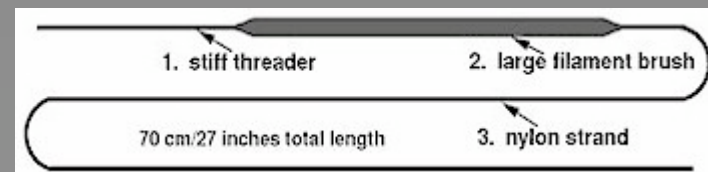


# Floss Aids

- **Prestrung floss**
  - eg. Eez-Thru Flossers, Oral B Hummingbird, Glide Floss Pik, Reach Access Daily Flosser
- **Floss holders**
  - eg. Floss Mate, Floss Boss
- **Prethreaded floss**
  - eg. Oral B Superfloss, Thornton's Periodontal Floss, Thornton's Bridge & Implant Cleaners
- **Floss threaders**
  - eg. Eez-Thru floss threaders, Bridgeaid

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# Interdental aids

- **Interdental brushes**
  - Proxybrushes, TePe, Go-Betweens
    - Larger embrasure spaces
    - Under bridges or between splinted crowns
- **Rubber tips**
  - Gum stimulators
    - Gently reaches difficult areas
    - Reshape gingival tissues
- **Interdental picks**
  - PerioAid
    - Toothpicks, economical
  - Stimudents, Brushpiks, Soft-Picks
    - Not as effective as floss or proxybrush
    - Better than nothing

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# Mouthrinses

NAME	ACTIVE INGREDIENT	INDICATION
Peridex, Oris Periogard, PerioRx	Chlorhexidine*	Gingivitis
Listerine	Essential oils* (Eucalyptol, menthol, methyl salicylate, thymol)	Gingivitis
ACT, PerioMed, Neutraguard	Fluoride*	Caries prevention
Crest Pro-Health	Cetylpyridinium Chloride	Non-alcohol
Biotene	Glucose Oxidase, Lactoperoxidase, Lysozyme	Dry mouth
Scope, Cepacol, BreathRx	Quartenary ammonium-Cetylpyridinium Chloride	Freshens breath
Rincinol	Polyvinylpyrrolidone, sodium hyluronate	Bio-adherent mucosal coating

\* ADA accepted

# ANTIMICROBIALS

- Reduce existing plaque
- Prevent the formation of new plaque
- Inhibit bacteria associated with disease
- Inhibit the virulence of the determinant

# Tongue Cleaners

- **Location of 70% Volatile Sulfur Compounds**
  - VSC role in inflammatory pathogenesis?
  - Methyl Mercaptan is a VSC
    - produced primarily by periodontal pathogens
    - Increases permeability of intact mucosa
    - Stimulates cytokines associated with periodontitis

