

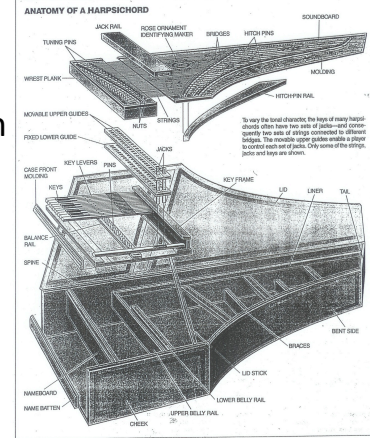
Physics of Musical Sound

Class 16
 Class in Wellin Monday
 Quiz Wednesday.
 NO HOMEWORK next week
 Exam after break!

8/30/01

Physics 120

Harpichord Construction



8/30/01

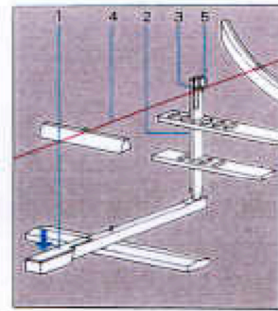
Harpichord



8/30/01

Physics 120

Harpichord Action



8/30/01

Physics 120

The Harpsichord

- Wire strings on a wood frame plucked by tiny, sharp quills called Jacks.
- Classically 4 octave manual
 - May sound 5 octaves due to “short octave”
 - Lowest note 32 times wavelength of highest!
- Wire diameters increase from eg. “.008” to 0.024”.
 - Usually switch roughly every octave
 - Means low notes don’t need to be as much longer
- No overwound strings.

8/30/01

Physics 120

Lautenwerk



8/30/01

Physics 120

